



PATENT  
Attorney Docket No.: SLM-06100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gregory D. Miller et al

Serial No.: 10/047,550

Filed: January 15, 2002

For: **METHOD FOR DOMAIN  
PATTERNING IN LOW  
COERCIVE FIELD  
FERROELECTRICS**

) Group Art Unit: 2881

) Examiner:

**TRANSMITTAL LETTER**

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Alexandria, VA 22313

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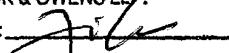
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Respectfully submitted,  
HAVERSTOCK & OWENS LLP

By:   
Thomas B. Haverstock  
Reg. No.: 32,571

Attorneys for Applicants

Dated: 7/10/03  
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The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

United States Patents or Published Patent Applications have been filed electronically (EFS ID # 43302);(EFS ID #43303); (EFS ID #43304); (EFS ID #43305); (EFS ID #43307); (EFS ID #43308); (EFS ID #43309); (EFS ID #43311); (EFS ID #43312); (EFS ID #43313); (EFS ID #43314); (EFS ID #43315); (EFS ID #43316); (EFS ID #43317); (EFS ID #43318); and (EFS ID #43319).

Applicants have become aware of the following printed publication which may be material to the examination of this application:

- U.S. Patent No. Des. 334,557;
- U.S. Patent No. Des. 334,742;
- U.S. Patent No. Des. 337,320;
- U.S. Patent No. Re. 16,767;
- U.S. Patent No. Re. 25,169;
- German Publication No. DE 32 33 195 A1;
- German Publication No. DE 43 23 799 A1;
- German Publication No. DE 197 23 618 A1;

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- German Publication No. DE 197 51 716 A1;
- German Publication No. DE 198 46 532 C1;
- European Publication No. EP 0 089 044 A2;
- European Publication No. EP 0 261 901 A2;
- European Publication No. EP 0 304 263 A2;
- European Publication No. EP 0 306 308 A2;
- European Publication No. EP 0 314 437 A1;
- European Publication No. EP 0 322 714 A2;
- European Publication No. EP 0 417 039 A1;
- European Publication No. EP 0 423 513 A2;
- European Publication No. EP 0 436 738 A1;
- European Publication No. EP 0 458 316 A2;
- European Publication No. EP 0 477 566 A2;
- European Publication No. EP 0 488 326 A3;
- European Publication No. EP 0 499 566 A2;
- European Publication No. EP 0 528 646 A1;
- European Publication No. EP 0 530 760 A2;
- European Publication No. EP 0 550 189 A1;
- European Publication No. EP 0 610 665 A1;
- European Publication No. EP 0 627 644 A2;
- European Publication No. EP 0 627 644 A3;
- European Publication No. EP 0 627 850 A1;
- European Publication No. EP 0 643 314 A2;
- European Publication No. EP 0 654 777 A1;
- European Publication No. EP 0 658 868 A1;
- European Publication No. EP 0 658 830 A1;
- European Publication No. EP 0 689 078 A1;
- European Publication No. EP 0 801 319 A1;
- European Publication No. EP 0 851 492 A2;
- European Publication No. EP 1 003 071 A2;
- European Publication No. EP 1 014 143 A1;
- European Publication No. EP 1 040 927 A2;
- Great Britain Publication No. GB 2 117 564 A;

- Great Britain Publication No. GB 2 118 365 A;
- Great Britain Publication No. GB 2 266 385 A;
- Great Britain Publication No. GB 2 296 152 A;
- Great Britain Publication No. GB 2 319 424 A;
- Japanese Patent Abstract JP 1-155637;
- Japanese Patent Abstract JP 4-333015;
- Japanese Patent Abstract JP 2219092;
- Japanese Patent Abstract JP 3288369;
- Japanese Patent Abstract JP 53-39068;
- Japanese Patent Abstract JP 55-111151;
- Japanese Patent Abstract JP 57-210638;
- Japanese Patent Abstract JP 57-31166;
- Japanese Patent Abstract JP 60-49638;
- Japanese Patent Abstract JP 60-94756;
- Japanese Patent Abstract JP 60-250639;
- Japanese Patent Abstract JP 61-142750;
- Japanese Patent Abstract JP 61-145838;
- Japanese Patent Abstract JP 63-234767;
- Japanese Patent Abstract JP 63-305323;
- Japanese Patent Abstract JP 40-1155637;
- Japanese Patent Abstract JP 7-281161;
- PCT Publication No. WO 90/13913;
- PCT Publication No. WO 92/12506;
- PCT Publication No. WO 93/02269;
- PCT Publication No. WO 93/09472;
- PCT Publication No. WO 93/18428;
- PCT Publication No. WO 93/22694;
- PCT Publication No. WO 94/09473;
- PCT Publication No. WO 94/29761;
- PCT Publication No. WO 95/11473;
- PCT Publication No. WO 96/02941;
- PCT Publication No. WO 96/08031;
- PCT Publication No. WO 96/41217;

- PCT Publication No. WO 96/41224;
- PCT Publication No. WO 97/22033;
- PCT Publication No. WO 97/26569;
- PCT Publication No. WO 98/05935;
- PCT Publication No. WO 98/24240;
- PCT Publication No. WO 98/41893;
- PCT Publication No. WO 99/07146;
- PCT Publication No. WO 99/12208;
- PCT Publication No. WO 99/23520;
- PCT Publication No. WO 99/34484;
- PCT Publication No. WO 99/59335;
- PCT Publication No. WO 99/63388;
- PCT Publication No. WO 99/67671;
- PCT Publication No. WO 00/04718;
- PCT Publication No. WO 00/07225;
- PCT Publication No. WO 01/04674 A1;
- PCT Publication No. WO 01/006297 A3;
- PCT Publication No. WO 01/57581 A3;
- PCT Publication No. WO 02/025348 A3;
- PCT Publication No. WO 02/31575 A2;
- PCT Publication No. WO 02/058111 A2;
- PCT Publication No. WO 02/065184 A3;
- PCT Publication No. WO 02/073286 A2;
- PCT Publication No. WO 02/084375 A1;
- PCT Publication No. WO 02/084397 A3;
- PCT Publication No. WO 03/001281 A1;
- PCT Publication No. WO 03/001716 A1;
- PCT Publication No. WO 03/012523 A1;
- PCT Publication No. WO 03/016965 A1;
- PCT Publication No. WO 03/023849 A1;
- PCT Publication No. WO 03/025628 A2;

- R. Apte, "Grating Light Valves for High Resolution Displays", Solid State Sensors and Actuators Workshop, Ph D. Dissertation, Stanford University (June 1994);
- O. Solgaard, "Integrated Semiconductor Light Modulators for Fiber-Optic and Display Applications", Ph.D. Dissertation, Stanford University February, 1992;
- J. Neff, "Two-Dimensional Spatial Light Modulators: A Tutorial", Proceedings of the IEEE, vol. 78, No. 5 (May 1990), pp. 826-855;
- R. Gerhard-Multhaupt, "Viscoelastic Spatial Light Modulators and Schlieren-Optical Systems for HDTV Projection Displays" SPIE vol. 1255 Large Screen Projection Displays 11 (1990), pp. 69-78;
- R. Gerhard-Multhaupt, "Light-Valve Technologies for High-Definition Television Projection Displays", Displays vol. 12, No. 3/4 (1991), pp. 115-128;
- O. Solgaard, F. Sandejas, and D. Bloom, "Deformable Grating Optical Modulator," Optics Letters, Vol. 17, No. 9, May 1, 1992, New York, USA, pp. 688-690;
- F. Sandejas, R. Apte, W. Banyai, and D. Bloom, "Surface Microfabrication of Deformable Grating Valve for High Resolution Displays," The 7<sup>th</sup> International Conference on Solid-State Sensors and Actuators;
- P. Alvelda, "High-Efficiency Color Microdisplays," SID 95 Digest, pages 307-311, 1995;
- Worboys et al., "Miniature Display Technology for Integrated Helmet Systems," GEC Journal of Research, Vol. 10, No. 2, pages 111-118, Chelmsford, Essex, GB 1993;
- M. Farn et al., "Color Separation by use of Binary Optics," Optics Letters, Vol. 18:15 pages 1214-1216, 1993;
- P. Alvelda, "VLSI Microdisplays and Optoelectric Technology," MIT, pages 1-93, 1995;
- P. Alvelda, "VLSI Microdisplay Technology," October 14, 1994;
- D. Rowe, "Laser Beam Scanning," SPIE, Vol. 2088, Oct. 5, 1993, 18-26;
- L. Hornbeck, "Deformable-Mirror Spatial Light Modulators," Spatial Light Modulators and Applications III, Aug. 8, CA 1989, pp. 86-102;

- Russick et al., "Supercritical Carbon Dioxide Extraction of Solvent from Micromachined Structures," *Supercritical Fluids*, Chapter 18, American Chemical Society, pp 255-269, 1997;
- Buhler et al., "Linear Array of Complementary Metal Oxide Semiconductor Double-Pass Metal Micromirrors," *Optical Engineering*, Vol. 36, No. 5, pp 1391-1398, May 1997;
- Gani et al., "Variable Gratings for Optical Switching: Rigorous Electromagnetic Simulation and Design," *Optical Engineering*, Vol. 38, No. 3, pp 552-557, March 1999;
- R. Tepe, et al. "Viscoelastic Spatial Light Modulator with Active Matrix Addressing," *Applied Optics*, Vol. 28, No. 22, New York, USA, pp.4826-4834, Nov. 15, 1989;
- W. Brinker, et al., "Deformation Behavior of Thin Viscoelastic Layers Used in an Active-Matrix-Addressed Spatial Light Modulator," *SPIE Vol. 1018*, pp. 79-85, Germany, 1988;
- T. Utsunomiya and H. Sato, "Electrically Deformable Echelle Grating and its Application to Tunable Laser Resonator," *Electronics and Communications in Japan*, Vol. 63-c, No. 10, pp. 94-100, Japan, 1980;
- Burns, D.M. et al., *Development of microelectromechanical variable blaze gratings*, Sensors and Actuators A, pp. 7-15, 1998;
- R.N. Thomas, et al., "The Mirror-Matrix Tube: A Novel Light Valve for Projection Displays", *IEEE Transactions on Electron Devices*, Vol. ED-22, No. 9, pp. 765-775, September 1975;
- J. Guldberg, et al., " An Aluminum/SiO<sub>2</sub>/Silicon-on-Sapphire Light Valve Matrix for Projection Displays," *Applied Physics Letters*, Vol. 26, No. 7, pp. 391-393, April 1975;
- "Kitchen Computer", IBM Technical Disclosure Bulletin, vol. 37, no. 12, pp. 223-225, December 1994;
- "Image Orientation Sensing and Correction for Notepads", *Research Disclosure*, no. 34788, p. 217, March 1993;
- Beck Mason et al., "Directly Modulated Sampled Grating DBR Lasers for Long-Haul WDM Communication Systems" *IEEE Photonics Technology Letters*, Vol. 9, No. 3, March 1997. pp. 377 of 379;

- N. J. Frigo et al., "A Wavelength-Division Multiplexed Passive Optical Network with Cost-Shared Components", IEEE Photonics Technology Letters, Vol. 6, No. 11, November 1994, pp. 1365 of 1367;
- M. S. Goodman et al., "The LAMBDANET Multiwavelength Network: Architecture, Applications, and Demonstrations", IEEE Journal on Selected Areas in Communications, Vol. 8, No. 6, August 1990, pp. 995 of 1004;
- C. A. Turkatte, "Examining the Benefits of Tunable Lasers for Provisioning Bandwidth on Demand", EuroForum - Optical Components, February 2001, pp. 1 of 10;
- R. Plastow, "Tunable Lasers and Future Optical Networks", Forum -Tunable Laser, August 2000, pp. 58 of 62;
- Elizabeth Bruce, "Tunable Lasers", Communications, IEEE Spectrum, February 2002, pp. 35 of 39;
- M. G. Littman et al., "Spectrally Narrow Pulsed Dye Laser without Beam Expander", Applied Optics, Vol. 17, No. 14, July 15, 1978, pp. 2224 of 2227;
- Apte et al., "Deformable Grating Light Valves for High Resolution Displays," Solid State Actuator Workshop, Hilton Head, South Carolina, June 13-16, 1994;
- Sene et al., "Polysilicon micromechanical gratings for optical modulation," Sensors and Actuators, Vol. A57, pp. 145-151, 1996;
- Amm et al., "Invited Paper: Grating Light Valve™ Technology: Update and Novel Applications," SID Digest, Vol. 29, 1998;
- Development of Digital MEMS-Based Display Technology Promises Improved Resolution, Contrast, and Speed", XP-000730009, 1997, pp. 33 of 34;
- "Micromachined Opto/Electro/Mechanical Systems," Electronic Systems, NASA Tech Briefs, March 1997, pgs. 50 & 52;
- S.T. Pai, et al., "Electromigration in Metals", Received June 4, 1976, pg. 103-115;
- Olga B. Spahn, et al., "High Optical Power Handling of Pop-Up Microelectromechanical Mirrors", Sandia National Laboratories, IEEE 2000, pg. 51-52;
- David M. Burns, et al. "Optical Power Induced Damage to Microelectromechanical Mirrors", Sensors and Actuators A 70, 1998, pg. 6-14;

- V.S. Aliev et al., "Development of Si(100) surface roughness at the initial stage of etching in F<sub>2</sub> and XeF<sub>2</sub> gases: ellipsometric study," Surface Science 442 (1999), pgs. 206-214;
- Xuan-Qi Wang et al., "Gas-Phase Silicon Etching with Bromine Trifluoride," Depart. of Electrical Engineering, 136-93 California Institute of Technology, 1997 IEEE, pgs. 1505-1508;
- Harold F. Winters, "Etch products from the reaction of XeF<sub>2</sub> with SiO<sub>2</sub>, Si<sub>3</sub>N<sub>4</sub>, SiC, and Si in the presence of Ion Bombardment," IBM Research Laboratory, 1983 American Vacuum Society, pgs. 927-931;
- F.A. Houle, "Dynamics of SiF<sub>4</sub> desorption during etching of silicon by XeF<sub>2</sub>," J. Chem. Phys. 87 (3), 1 August 1987, pgs. 1866-1872;
- Mehran Mehregany, "Microelectromechanical Systems," 1993 IEEE, pgs. 14-22.
- D. Moser et al., "A CMOS Compatible Thermally Excited Silicon Oxide Beam Resonator with Aluminium Mirror," Physical Electronics Laboratory, 1991 IEEE, pgs. 547-550;
- M. Parameswaran et al., "Commerical CMOS Fabricated Integrated Dynamic Thermal Scene Simulator," 1991 IEEE, pgs. 29.4.1-29.4.4;
- M. Parameswaran et al., "CMOS Electrothermal Microactuators," Depart. of Electrical Engineering, 1990 IEEE, pgs.128-131;
- U. Streller et al., "Selectivity in dry etching of Si(100) with XeF<sub>2</sub> and VUV light," Applied Surface Science 106, (1996), pgs. 341-346;
- M.J.M Vugts et al., "Si/XeF<sub>2</sub> etching: Temperature dependence," 1996 American Vacuum Society, pgs. 2766-2774;
- P. Krummenacher et al., "Smart Temperature Sensor in CMOS Technology," Sensors and Actuators, A-21-A-23 (1990), pgs. 636-638;
- Henry Baltes, "CMOS as sensor technology," Sensors and Actuators A. 37-38, (1993), pgs. 51-56;
- Thomas Boltshauser et al., "Piezoresistive Membrane Hygrometers Based on IC Technology," Sensor and Materials, 5, 3, (1993), pgs. 125-134;
- Z. Parpia et al., "Modelling of CMOS Compatible High Voltage Device Structures," pgs. 41-50;
- Jon Gildemeister, "Xenon Difluoride Etching System," 1997, UC Berkeley MicroFabrication Manual Chapter 7.15, pg. 2-5;

- W. Riethmuller et al., "A smart accelerometer with on-chip electronics fabricated by a commercial CMOS process," Sensors and Actuators A. 31, (1992), 121-124;
- W. Gopel et al., "Sensors- A Comprehensive Survey," Vol. 7, Weinheim New York, 44 pgs;
- D. E. Ibbotson et al., "Comparison of XeF<sub>2</sub> and F-atom reations with Si and SiO<sub>2</sub>," 1984 American Institute of Physics, pgs. 1129-1131;
- D. E. Ibbotson et al., "Plasmaless dry etching of silicon with fluorine-containing compounds," 1984 American Institute of Physics, pgs. 2939-2942;
- M.H. Hecht et al., "A novel x-ray photoelectron spectroscopy study of the Al/SiO<sub>2</sub> interfaces," 1985 American Institute of Physics, pgs. 5256-52616;
- Daniel L. Flamm et al., "XeF<sub>2</sub> and F-Atom Reactions with Si: Their Significance for Plasma Etching," Solid State Technology, V. 26, #4, 4/83, pgs. 117-121;
- H.F. Winters et al., "The etching of silicon with XeF<sub>2</sub> vapor," Appl. Phys. Lett. Vol. 34, No. 1, January 1979, pgs. 70-73;
- Wayne Bailey et al., "Microelectronic Structures and Microelectromechanical Devices for Optical Processing and Multimedia Applications," SPIE - The International Society for Optical Engineering, Vol. 2641, October 1995, 13 pgs;
- J. Marshall et al., "Realizing Suspended Structures on Chips Fabricated by CMOS Foundry Processes Through the MOSIS Service," National Inst. of Standards and Technology, Jun 94, 63 pgs;
- David Moser et al., "CMOS Flow Sensors," 1993 Physical Electronics Lab, Swiss Federal Institute of Tech, Zurich, Switzerland, 195 pgs;
- E. Hecht, "Optics", Addison-Wesley, 2<sup>nd</sup> edition, 1987, Adelphi University, pp. 163-169;
- E. Hecht, "Optics", Addison-Wesley, 2<sup>nd</sup> edition, 1987, Adelphi University, pp. 358-360;
- T. Glaser et al., "Beam switching with binary single-order diffractive grating", XP-000802142, Optics Letters, December 15, 1998, Vol. 23, No. 24, pp. 1933 of 1935;
- P. C. Kundu et al., "Reduction of Speckle Noise by Varying the Polarisation of Illuminating Beam", XP-002183475, Dept. of Applied Physics, Calcutta University, 1975, pp. 63-67;

- J. W. Goodman, "Some Fundamental Properties of Speckle", XP-002181682, Dept. of Electrical Engineering, Stanford University, 1976, pp.1146-1150;
- Lingli Wang et al., "Speckle Reduction in Laser Projection Systems by Diffractive Optical Elements", XP-000754330, Applied Optics, April 1, 1998, Vol. 37, No. 10, pp. 1770-1775;
- R.W. Corrigan et al., "Calibration of a Scanned Linear Grating Light-Valve, Projection System for E-Cinema Applications", Silicon Light Machines, SID'99, San Jose, CA, 27 pgs, 1999;
- R.W. Corrigan et al., "Calibration of a Scanned Linear Grating Light-Valve, Projection System", Silicon Light Machines, San Jose, CA, 4 pgs, May 18, 1999;
- "Introduction to Cryptography", <http://www.ssh.fi/tech/crpto/intro.html>, 35 pgs, June 21, 1999;
- "Deep Sky Black," Equinox Interscience, [www.eisci.com/deepsky.html](http://www.eisci.com/deepsky.html), 1997;
- "Absorptive Neutral Density Filters," Newport Corp., Irvine, CA, [www.newport.com](http://www.newport.com), 5/7/99;
- "High Energy Variable Attenuators," Newport Corp., Irvine, CA, [www.newport.com](http://www.newport.com), 5/7/99;
- "Neutral-Density Filters," New Focus, Inc., Santa Clara, CA, [www.newfocus.com](http://www.newfocus.com), 5/7/99;
- J. Hawkes et al., "Laser Theory and Practice," Prentice Hall, New York, 1995, pp. 407-408;
- C. Tew et al., "Electronic Control of a Digital Micromirror Device for Projection Displays", Proceedings of the 1994 IEEE International Solid-State Circuits Conference, 1994;
- Henck, S.A., "Lubrication of Digital Mircomirror Devices<sup>TM</sup>", Tribology Letters, No. 3, pp. 239-247, 1997;
- K. W. Goossen et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications", IEEE Photonics Technology Letters, Vol. 6, No. 9, September 1994, pp. 1119-1121;
- J. A. Walker et al., "Demonstration of a Gain Flattened Optical Amplifier with Micromechanical Equalizer Element", Lucent Technologies, pp. 13-14;

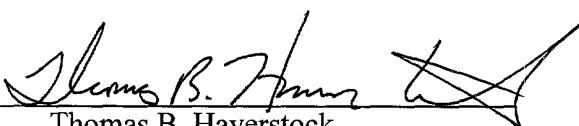
PATENT  
Attorney Docket No.: SLM-06100

- A. P. Payne et al., "Resonance Measurements of Stresses in Al/Si<sub>3</sub>N<sub>4</sub> Micro-Ribbons", Silicon Light Machines, September 22, 1999, 11 pgs;
- M. W. Miles, "A New Reflective FPD Technology Using Interferometric Modulation", 4 pgs;
- N. A. Riza et al., "Digitally Controlled Fault-Tolerant Multiwavelength Programmable Fiber-Optic Attenuator Using a Two-Dimensional Digital Micromirror Device", OPTICS LETTERS, March 1, 1999, Vol. 24, No. 5, pp. 282-284;
- N. A. Riza et al., "Synchronous Amplitude and Time Control for an Optimum Dynamic Range Variable Photonic Delay Line", APPLIED OPTICS, April 10, 1999, Vol. 38, No. 11, pp. 2309-2318; and
- P. Alvelda et al., "44.4: Ferroelectric Microdisplays Using Distortion-Compensated Pixel Layouts", SID 95 DIGEST, XP 2020715, pp. 931-933.

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Respectfully submitted,  
HAVERSTOCK & OWENS LLP

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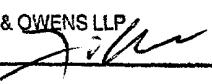
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use Several Sheets If Necessary) (37 CFR § 1.98(b))			Applicants: Gregory D. Miller et al	
			Filing Date: January 15, 2002	Group Art Unit: 2881

**U.S. PATENT DOCUMENTS**

Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patente	Class	Subclass	Filing Date
AA	Des. 334,557	04/06/93	Hunter et al.	D14	114	10/23/90
AB	Des. 334,742	04/13/93	Hunter et al.	D14	113	10/03/90
AC	Des. 337,320	07/13/93	Hunter et al.	D14	113	10/03/90
AD	Re. 16,767	10/11/27	Jenkins			10/31/22
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**FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS**

	Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
						Yes	No
AJ	DE 32 33 195 A1	03/17/83	DE	H 01 L	23/52		X
AK	DE 43 23 799 A1	01/20/94	DE	H 01 L	23/50		X
AL	DE 197 23 618 A1	12/11/97	DE	G 03 F	1/14		X
AM	DE 197 51 716 A1	05/28/98	DE	G 02 B	27/14		X
AN	DE 198 46 532 C1		DE	G 02 B	27/09		X
AO	0 089 044 A2	09/21/83	EP	H 01 L	23/10		X
AP	0 261 901 A2	03/30/88	EP	G09G	3/36		X
AQ	0 304 263 A2	02/22/89	EP	H 01 L	25/065		X
AR	0 306 308 A2	03/08/89	EP	H 04 N	3/14		X
AS	0 314 437 A1	10/25/88	EP	H 01 L	25/08		X
AT	0 322 714 A2	07/05/89	EP	G 02 B	5/30		X
AU	0 417 039 A1	03/13/91	EP	G 03B	21/20	X	
AV	0 423 513 A2	04/24/91	EP	H01S	3/085		X
AW	0 436 738 A1	07/17/91	EP	H04N	5/74		X
AX	0 458 316 A2	11/27/91	EP	G06K	11/06		X
AY	0 477 566 A2	04/01/92	EP	G02B	26/08		X
AZ	0 488 326 A3	06/03/92	EP	G09G	3/28		X
BA	0 499 566 A2	08/19/92	EP	G06F	3/033		X
BB	0 528 646 A1	02/24/93	EP	G09G	3/02		X

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FORM PTO-1449 (Modified)	JUL 14 2003	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: SLM-06100	Serial No.: 10/047,550
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use Several Sheets If Necessary) (37 CFR § 1.98(b))			Applicants: Gregory D. Miller et al	
			Filing Date: January 15, 2002	Group Art Unit: 2881

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	BC	0 530 760 A2	03/10/93	EP	G09G	3/34		X
	BD	0 550 189 A1	07/07/93	EP	G02F	1/315		X
	BE	0 610 665 A1	08/17/94	EP	G09G	3/34		X
	BF	0 627 644 A2	12/07/94	EP	G02B	27/00		X
	BG	0 627 644 A3	09/11/90	EP	G02B	27/00		X
	BH	0 627 850 A1	12/07/94	EP	H04N	5/64		X
	BI	0 643 314 A2	03/15/95	EP	G02B	27/00		X
	BJ	0 654 777 A1	05/24/95	EP	G09G	3/34		X
	BK	0 658 868 A1	06/21/95	EP	G 09G	3/34		X
	BL	0 658 830 A1	12/06/95	EP	G09G	3/34		X
	BM	0 689 078 A1	12/27/95	EP	G02B	26/08		X
	BN	0 801 319 A1	10/15/97	EP	G02B	26/00		X
	BO	0 851 492 A2	07/01/98	EP	H01L	23/538		X
	BP	1 003 071 A2	05/24/00	EP	G03B	27/72		X
	BQ	1 014 143 A1	06/28/00	EP	G02B	26/08		X
	BR	1 040 927 A2	10/04/00	EP	B41J	2/455		X
	BS	GB 2 117 564 A	10/12/83	GB	H 01 L	25/08		X
	BT	GB 2 118 365 A	10/26/83	GB	H 01 L	27/13		X
	BU	GB 2 266 385 A	10/27/93	GB	G02B	23/10		X
	BV	GB 2 296 152 A	06/19/96	GB	H04N	13/04		X
	BW	GB 2 319 424 A	05/20/98	GB	H04N	13/04		X
	BX	JP 1-155637	06/19/89	JP	H01L	21/66		X
	BY	JP 4-333015	11/20/92	JP	G02B	27/18		X
	BZ	JP 2219092	08/31/90	JP	G09G	3/28		X
	CA	JP 3288369	03/15/02	JP	G 02 B	26/06		X
	CB	JP 53-39068	04/10/78	JP	H 01 L	23/12		X
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	CE	JP 57-31166	02/19/82	JP	H 01 L	23/48		X
	CF	JP 60-49638	03/18/85	JP	H 01 L	21/60		X
	CG	JP 60-94756	05/27/85	JP	H 01 L	25/04		X
	CH	JP 60-250639	12/11/85	JP	H 01 L	21/58		X
	CI	JP 61-142750	06/30/86	JP	H 01 L	21/60		X
	CJ	JP 61-145838	07/03/86	JP	H 01 L	21/60		X
	CK	JP 63-234767	09/30/88	JP	H 04 N	1/04		X

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## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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							Yes	No
	CL	JP 63-305323	12/13/88	JP	G 02F	1/13		X
	CM	JP 40-1155637	06/19/89	JP	H 01 L	21/92		X
	CN	JP 7-281161	10/27/95	JP	G02F	1/1333		X
	CO	WO 90/13913	11/15/90	WO	H 01 L	23/10		X
	CP	WO 92/12506	07/23/92	WO	G09F	9/37		
	CQ	WO 93/02269	02/04/93	WO	E 06B	5/10		
	CR	WO 93/09472	05/13/93	WO	G 03F	7/20	X	
	CS	WO 93/18428	09/16/93	WO	G02B	2700		X
	CT	WO 93/22694	11/11/93	WO	G02B	5/18		X
	CU	WO 94/09473	04/28/94	WO	G09G	3/34		X
	CV	WO 94/29761	12/22/94	WO	G02B	27/24		X
	CW	WO 95/11473	04/27/95	WO	G02B	27/00	X	
	CX	WO 96/02941	02/01/96	WO	H 01 L	23/02		X
	CY	WO 96/08031	03/14/96	WO	H01J	29/12		X
	CZ	WO 96/41217	12/19/96	WO	G02B	5/18		X
	DA	WO 96/41224	12/19/96	WO	G02B	19/00		X
	DB	WO 97/22033	06/19/97	WO	G02B	27/22		X
	DC	WO 97/26569	07/24/97	WO	G02B	5/18		X
	DD	WO 98/05935	02/12/98	WO	G01L	9/06		X
	DE	WO 98/24240	06/04/98	WO	H04N	9/31		X
	DF	WO 98/41893	09/24/98	WO	G02B	26/08		X
	DG	WO 99/07146	02/11/99	WO	H04N	7/16		X
	DH	WO 99/12208	03/11/99	WO	H 01 L	25/065		X
	DI	WO 99/23520	05/14/99	WO	G 02 B	26/08		X
	DJ	WO 99/34484	07/08/99	WO	H01S			X
	DK	WO 99/59335	11/18/99	WO	H04N	5/765		X
	DL	WO 99/63388	12/09/99	WO	G02B	27/22		X
	DM	WO 99/67671	12/29/99	WO	G02B	26/08		X
	DN	WO 00/04718	01/27/00	WO	H04N	7/167		X
	DO	WO 00/07225	02/10/00	WO	H01L	21/00		X
	DP	WO 01/04674 A1	01/18/01	WO	G02B	6/12		X
	DQ	WO 01/006297 A3	01/25/01	WO	G02B	27/10		X
	DR	WO 01/57581 A3	08/09/01	WO	G02B	27/48		X

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		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	DS	WO 02/025348 A3	03/28/02	WO	G02B	26/02		X
	DT	WO 02/31575 A2	04/18/02	WO	G02B	27/00		X
	DU	WO 02/058111 A2	07/25/02	WO	H01L			
	DV	WO 02/065184 A3	08/22/02	WO	G02B	27/12		
	DW	WO 02/073286 A2	09/19/02	WO	G02B	26/08		
	DX	WO 02/084375 A1	10/24/02	WO	G02B	26/08		
	DY	WO 02/084397 A3	10/24/02	WO	G02B	27/18		X
	DZ	WO 03/001281 A1	01/03/03	WO	G02F	1/01		X
	EA	WO 03/001716 A1	01/03/03	WO	H04J	14/02		X
	EB	WO 03/012523 A1	02/13/03	WO	G02B	26/00		X
	EC	WO 03/016965 A1	02/27/03	WO	G02B	5/18		X
	ED	WO 03/023849 A1	03/20/03	WO	H01L	23/02		X
	EE	WO 03/025628 A2	03/27/03	WO	G02B			X

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

EF	R. Apte, "Grating Light Valves for High Resolution Displays", Solid State Sensors and Actuators Workshop, Ph D. Dissertation, Stanford University (June 1994).
EG	O. Solgaard, "Integrated Semiconductor Light Modulators for Fiber-Optic and Display Applications", Ph.D. Dissertation, Stanford University February, 1992.
EH	J. Neff, "Two-Dimensional Spatial Light Modulators: A Tutorial", Proceedings of the IEEE, vol. 78, No. 5 (May 1990), pp. 826-855.
EI	R. Gerhard-Multhaupt, "Viscoelastic Spatial Light Modulators and Schlieren-Optical Systems for HDTV Projection Displays" SPIE vol. 1255 Large Screen Projection Displays 11 (1990), pp. 69-78.
EJ	R. Gerhard-Multhaupt, "Light-Valve Technologies for High-Definition Television Projection Displays", Displays vol. 12, No. 3/4 (1991), pp. 115-128.
EK	O. Solgaard, F. Sandejas, and D. Bloom, "Deformable Grating Optical Modulator," Optics Letters, Vol. 17, No. 9, May 1, 1992, New York, USA, pp. 688-690.
EL	F. Sandejas, R. Apte, W. Banyai, and D. Bloom, "Surface Microfabrication of Deformable Grating Valve for High Resolution Displays," The International Conference on Solid-State Sensors and Actuators.
EM	P. Alvelda, "High-Efficiency Color Microdisplays," SID 95 Digest, pages 307-311, 1995.
EN	Worboys et al., "Miniature Display Technology for Integrated Helmut Systems," GEC Journal of Research, Vol. 10, No. 2, pages 111-118, Chelmsford, Essex, GB 1993.
EO	M. Farn et al., "Color Separation by use of Binary Optics," Optics Letters, Vol. 18:15 pages 1214-1216, 1993.
EP	P. Alvelda, "VLSI Microdisplays and Optoelectric Technology," MIT, pages 1-93, 1995.
EQ	P. Alvelda, "VLSI Microdisplay Technology," October 14, 1994.

Examiner:

Date Considered:

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
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Group Art Unit: 288

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JUL 18 2003  
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## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	ER	D. Rowe, "Laser Beam Scanning," SPIE, Vol. 2088, Oct. 5, 1993, 18-26
	ES	L. Hornbeck, "Deformable-Mirror Spatial Light Modulators," Spatial Light Modulators and Applications III, Aug. 8, CA 1989, pp. 86-102
	ET	Russick et al., "Supercritical Carbon Dioxide Extraction of Solvent from Micromachined Structures," Supercritical Fluids, Chapter 18, American Chemical Society, pp 255-269, 1997.
	EU	Buhler et al. "Linear Array of Complementary Metal Oxide Semiconductor Double-Pass Metal Micromirrors," Optical Engineering, Vol. 36, No. 5, pp 1391-1398, May 1997.
	EV	Gani et al., "Variable Gratings for Optical Switching: Rigorous Electromagnetic Simulation and Design," Optical Engineering, Vol. 38, No. 3, pp 552-557, March 1999.
	EW	R. Tepe, et al. "Viscoelastic Spatial Light Modulator with Active Matrix Addressing," Applied Optics, Vol. 28, No. 22, New York, USA, pp.4826-4834, Nov. 15, 1989.
	EX	W. Brinker, et al., "Deformation Behavior of Thin Viscoelastic Layers Used in an Active-Matrix-Addressed Spatial Light Modulator," SPIE Vol. 1018, pp. 79-85, Germany, 1988.
	EY	T. Utsunomiya and H. Sato, "Electrically Deformable Echelle Grating and its Application to Tunable Laser Resonator," Electronics and Communications in Japan, Vol. 63-c, No. 10, pp. 94-100, Japan, 1980.
	EZ	Burns, D.M. et al., <i>Development of microelectromechanical variable blaze gratings</i> , Sensors and Actuators A, pp. 7-15, 1998.
	FA	R.N. Thomas, et al., "The Mirror-Matrix Tube: A Novel Light Valve for Projection Displays", IEEE Transactions on Electron Devices, Vol. ED-22, No. 9, pp. 765-775, September 1975.
	FB	J. Guldberg, et al., "An Aluminum/SiO <sub>2</sub> /Silicon-on-Sapphire Light Valve Matrix for Projection Displays," Applied Physics Letters, Vol. 26, No. 7, pp. 391-393, April 1975.
	FC	"Kitchen Computer", IBM Technical Disclosure Bulletin, vol. 37, no. 12, pp. 223-225, December 1994.
	FD	"Image Orientation Sensing and Correction for Notepads", Research Disclosure, no. 34788, p. 217, March 1993.
	FE	Beck Mason et al., "Directly Modulated Sampled Grating DBR Lasers for Long-Haul WDM Communication Systems" IEEE Photonics Technology Letters, Vol. 9, No. 3, March 1997, pp. 377 of 379.
	FF	N. J. Frigo et al., "A Wavelength-Division Multiplexed Passive Optical Network with Cost-Shared Components", IEEE Photonics Technology Letters, Vol. 6, No. 11, November 1994, pp. 1365 of 1367.
	FG	M. S. Goodman et al., "The LAMBDANET Multiwavelength Network: Architecture, Applications, and Demonstrations", IEEE Journal on Selected Areas in Communications, Vol. 8, No. 6, August 1990, pp. 995 of 1004.
	FH	C. A. Turkatte, "Examining the Benefits of Tunable Lasers for Provisioning Bandwidth on Demand", EuroForum - Optical Components, February 2001, pp. 1 of 10.
	FI	R. Plastow, "Tunable Lasers and Future Optical Networks", Forum -Tunable Laser, August 2000, pp. 58 of 62.
	FJ	Elizabeth Bruce, "Tunable Lasers", Communications, IEEE Spectrum, February 2002, pp. 35 of 39.
	FK	M. G. Littman et al., "Spectrally Narrow Pulsed Dye Laser without Beam Expander", Applied Optics, Vol. 17, No. 14, July 15, 1978, pp. 2224 of 2227.
	FL	Apte et al., "Deformable Grating Light Valves for High Resolution Displays," Solid State Actuator Workshop, Hilton Head, South Carolina, June 13-16, 1994.
	FM	Sene et al., "Polysilicon micromechanical gratings for optical modulation," Sensors and Actuators, Vol. A57, pp. 145-151, 1996.
	FN	Amm et al., "Invited Paper: Grating Light Valve™ Technology: Update and Novel Applications," SID Digest, Vol. 29, 1998.
	FO	Development of Digital MEMS-Based Display Technology Promises Improved Resolution, Contrast, and Speed", XP-000730009, 1997, pp. 33 of 34.
	FP	"Micromachined Opto/Electro/Mechanical Systems," Electronic Systems, NASA Tech Briefs, March 1997, pgs. 50 & 52.
	FQ	S.T. Pai, et al., "Electromigration in Metals", Received June 4, 1976, pg. 103-115.
	FR	Olga B. Spahn, et al., "High Optical Power Handling of Pop-Up Microelectromechanical Mirrors", Sandia National Laboratories, IEEE 2000, pg. 51-52.
	FS	David M. Burns, et al. "Optical Power Induced Damage to Microelectromechanical Mirrors", Sensors and Actuators A 70, 1998, pg. 6-14.
	FT	V.S. Aliev et al., "Development of Si(100) surface roughness at the initial stage of etching in F2 and XeF2 gases: ellipsometric study," Surface Science 442 (1999), pgs. 206-214.
	FU	Xuan-Qi Wang et al., "Gas-Phase Silicon Etching with Bromine Trifluoride," Depart. of Electrical Engineering, 136-93 California Institute of Technology, 1997 IEEE, pgs. 1505-1508.

Examiner:

Date Considered:

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FORM PTO-1449  
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Applicants: Gregory D. Miller et al

Filing Date: January 15, 2002

Group Art Unit: 2881

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

FV	Harold F. Winters, "Etch products from the reaction of XeF <sub>2</sub> with SiO <sub>2</sub> , Si <sub>3</sub> N <sub>4</sub> , SiC, and Si in the presence of Ion Bombardment," IBM Research Laboratory, 1983 American Vacuum Society, pgs. 927-931.
FW	F.A. Houle, "Dynamics of SiF <sub>4</sub> desorption during etching of silicon by XeF <sub>2</sub> ," J. Chem. Phys. 87 (3), 1 August 1987, pgs. 1866-1872.
FX	Mehran Mehregany, "Microelectromechanical Systems," 1993 IEEE, pgs. 14-22.
FY	D. Moser et al., "A CMOS Compatible Thermally Excited Silicon Oxide Beam Resonator with Aluminium Mirror," Physical Electronics Laboratory, 1991 IEEE, pgs. 547-550.
FZ	M. Parameswaran et al., "Commerical CMOS Fabricated Integrated Dynamic Thermal Scene Simulator," 1991 IEEE, pgs. 29.4.1-29.4.4.
GA	M. Parameswaran et al., "CMOS Electrothermal Microactuators," Depart. of Electrical Engineering, 1990 IEEE, pgs. 128-131.
GB	U. Streller et al., "Selectivity in dry etching of Si(100) with XeF <sub>2</sub> and VUV light," Applied Surface Science 106, (1996), pgs. 341-346.
GC	M.J.M Vugts et al., "Si/XeF <sub>2</sub> etching: Temperature dependence," 1996 American Vacuum Society, pgs. 2766-2774.
GD	P. Krummenacher et al., "Smart Temperature Sensor in CMOS Technology," Sensors and Actuators, A-21-A-23 (1990), pgs. 636-638.
GE	Henry Baltes, "CMOS as sensor technology," Sensors and Actuators A. 37-38, (1993), pgs. 51-56.
GF	Thomas Boltshauser et al., "Piezoresistive Membrane Hygrometers Based on IC Technology," Sensor and Materials, 5, 3, (1993), pgs. 125-134.
GG	Z. Parpia et al., "Modelling of CMOS Compatible High Voltage Device Structures," pgs. 41-50.
GH	Jon Gildemeister, "Xenon Difluoride Etching System," 1997, UC Berkeley MicroFabrication Manual Chapter 7.15, pg. 2-5.
GI	W. Riethmuller et al., "A smart accelerometer with on-chip electronics fabricated by a commercial CMOS process," Sensors and Actuators A. 31, (1992), 121-124.
GJ	W. Gopel et al., "Sensors- A Comprehensive Survey," Vol. 7, Weinheim New York, 44 pgs.
GK	D. E. Ibbotson et al., "Comparison of XeF <sub>2</sub> and F-atom reations with Si and SiO <sub>2</sub> ," 1984 American Institute of Physics, pgs. 1129-1131.
GL	D. E. Ibbotson et al., "Plasmaless dry etching of silicon with fluorine-containing compounds," 1984 American Institute of Physics, pgs. 2939-2942.
GM	M.H. Hecht et al., "A novel x-ray photoelectron spectroscopy study of the Al/SiO <sub>2</sub> interfaces," 1985 American Institute of Physics, pgs. 5256-5261.
GN	Daniel L. Flamm et al., "XeF <sub>2</sub> and F-Atom Reactions with Si: Their Significance for Plasma Etching," Solid State Technology, V. 26, #4, 4/83, pgs. 117-121.
GO	H.F. Winters et al., "The etching of silicon with XeF <sub>2</sub> vapor," Appl. Phys. Lett. Vol. 34, No. 1, January 1979, pgs. 70-73.
GP	Wayne Bailey et al., "Microelectronic Structures and Microelectromechanical Devices for Optical Processing and Multimedia Applications," SPIE - The International Society for Optical Engineering, Vol. 2641, October 1995, 13 pgs.
GQ	J. Marshall et al., "Realizing Suspended Structures on Chips Fabricated by CMOS Foundry Processes Through the MOSIS Service," National Inst. of Standards and Technology, Jun 94, 63 pgs.
GR	David Moser et al., "CMOS Flow Sensors," 1993 Physical Electronics Lab, Swiss Federal Institute of Tech, Zurich, Switzerland, 195 pgs.
GS	E. Hecht, "Optics", Addison-Wesley, 2 <sup>nd</sup> edition, 1987, Adelphi University, pp. 163-169.
GT	E. Hecht, "Optics", Addison-Wesley, 2 <sup>nd</sup> edition, 1987, Adelphi University, pp. 358-360.
GU	T. Glaser et al., "Beam switching with binary single-order diffractive grating", XP-000802142, Optics Letters, December 15, 1998, Vol. 23, No. 24, pp. 1933 of 1935.
GV	P. C. Kundu et al., "Reduction of Speckle Noise by Varying the Polarisation of Illuminating Beam", XP-002183475, Dept. of Applied Physics, Calcutta University, 1975, pp. 63-67.
GW	J. W. Goodman, "Some Fundamental Properties of Speckle", XP-002181682, Dept. of Electrical Engineering, Stanford University, 1976, pp.1146-1150.
GX	Lingli Wang et al., "Speckle Reduction in Laser Projection Systems by Diffractive Optical Elements", XP-000754330, Applied Optics, April 1, 1998, Vol. 37, No. 10, pp. 1770-1775.

Examiner:

Date Considered:

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Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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JUL 18 2003  
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Filing Date: January 15, 2002

Group Art Unit: 2881

## \OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

GY	R.W. Corrigan et al., "Calibration of a Scanned Linear Grating Light-Valve, Projection System for E-Cinema Applications", Silicon Light Machines, SID'99, San Jose, CA, 27 pgs, 1999.
GZ	R.W. Corrigan et al., "Calibration of a Scanned Linear Grating Light-Valve, Projection System", Silicon Light Machines, San Jose, CA, 4 pgs, May 18, 1999.
HA	"Introduction to Cryptography", <a href="http://www.ssh.fi/tech/crypto/intro.html">http://www.ssh.fi/tech/crypto/intro.html</a> , 35 pgs, June 21, 1999.
HB	"Deep Sky Black," Equinox Interscience, <a href="http://www.eisci.com/deepsky.html">www.eisci.com/deepsky.html</a> , 1997.
HC	"Absorptive Neutral Density Filters," Newport Corp., Irvine, CA, <a href="http://www.newport.com">www.newport.com</a> , 5/7/99.
HD	"High Energy Variable Attenuators," Newport Corp., Irvine, CA, <a href="http://www.newport.com">www.newport.com</a> , 5/7/99.
HE	"Neutral-Density Filters," New Focus, Inc., Santa Clara, CA, <a href="http://www.newfocus.com">www.newfocus.com</a> , 5/7/99.
HF	J. Hawkes et al., "Laser Theory and Practice," Prentice Hall, New York, 1995, pp. 407-408.
HG	C. Tew et al., "Electronic Control of a Digital Micromirror Device for Projection Displays", Proceedings of the 1994 IEEE International Solid-State Circuits Conference, 1994.
HH	Henck, S.A., "Lubrication of Digital Mircomirror Devices™", Tribology Letters, No. 3, pp. 239-247, 1997.
HI	K. W. Goossen et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications", IEEE Protonics Technology Letters, Vol. 6, No. 9, September 1994, pp. 1119-1121.
HJ	J. A. Walker et al., "Demonstration of a Gain Flattened Optical Amplifier with Micromechanical Equalizer Element", Lucent Technologies, pp. 13-14.
HK	A. P. Payne et al., "Resonance Measurements of Stresses in Al/SiN <sub>4</sub> Micro-Ribbons", Silicon Light Machines, September 22, 1999, 11 pgs.
HL	M. W. Miles, "A New Reflective FPD Technology Using Interferometric Modulation", 4 pgs.
HM	N. A. Riza et al., "Digitally Controlled Fault-Tolerant Multiwavelength Programmable Fiber-Optic Attenuator Using a Two-Dimensional Digital Micromirror Device", OPTICS LETTERS, March 1, 1999, Vol. 24, No. 5, pp. 282-284.
HN	N. A. Riza et al., "Synchronous Amplitude and Time Control for an Optimum Dynamic Range Variable Photonic Delay Line", APPLIED OPTICS, April 10, 1999, Vol. 38, No. 11, pp. 2309-2318.
HO	P. Alvelda et al., "44.4: Ferroelectric Microdisplays Using Distortion-Compensated Pixel Layouts", SID 95 DIGEST, XP 2020715, pp. 931-933.
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HS	
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HU	
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HX	
HY	
HZ	
IA	
IB	

Examiner:

Date Considered:

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD  
FERROELECTRICS

Submission Type: Information Disclosure Statement

Application Number: 10/047550 \*10/047550\*

EFS ID: 43302

Server Response:

Confirmation Code	Message
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First Named Applicant: Gregory Miller

Attorney Docket Number:

Timestamp: 2003-07-10 14:45:50 EDT

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Digital Certificate Holder  
Name: cn=Thomas B. Haverstock,ou=Registered  
Attorneys,ou=Patent and Trademark Office,ou=Department of  
Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted us-ids	Files SLM06100A-usidst.xml us-ids.dtd us-ids.xsl
Comments	

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*

Confirmation Number: 5291

First Named Applicant: Gregory Miller

Attorney Docket Number:

Search string: ( 1525550 or 1548262 or 1814701 or 2415226 or 2783406 or 2920529 or 2991690 or 3258465 or 338301 or 3443871 or 3553364 or 3576394 or 3600798 or 3656837 or 3657610 or 3693239 or 3743507 or 3752563 or 3781465 or 3783184 or 3792916 or 3802769 or 3811186 or 3861784 or 3862360 or 3871014 or 3886310 or 3896338 or 3915548 or 3935499 or 3935500 or 3938881 or 3941456 or 3942245 or 3943281 or 3947105 or 3956111 or 3980476 or 3991416 or 4001663 or 4004849 or 4006968 or 4009939 or 4011009 or 4012116 or 4012835 or 4017158 or 4020381 or 4021766 or 4034211 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1525550	1925-02-10		C. F. Jenkins			
2	1548262	1925-08-04		A. Freedman			
3	1814701	1931-07-14		H. E. Ives			
4	2415226	1947-02-04		G. C. Sziklai	178	5.4	
5	2783406	1957-02-26		J. J. Vanderhoof	313	70	
6	2920529	1960-01-12		R. Blythe	88	73	
7	2991690	1961-07-11		D. S. Grey et al.	88	16.6	
8	3256465	1966-06-14		M. Weissenstern et al.	317	101	
9	338301	1968-06-11		B. D. James	317	234	
10	3443871	1969-05-13		A. K. Chitayat	356	106	
11	3553364	1971-01-05		Lee	178	7.3	
12	3576394	1971-04-27		Lee	178	7.3	
13	3600798	1971-08-24		Lee	29	592	
14	3656837	1972-04-18		Sandbank	350	161	
15	3657610	1972-04-18		Yamamoto et al.	317	243	
16	3693239	1972-09-26		Dix	29	470	

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17	3743507	1973-07-03	Ih et al.
18	3752563	1973-08-14	Torok et al.
19	3781465	1973-12-25	Ernstoff et al.
20	3783184	1974-01-01	Ernsloff et al.
21	3792916	1974-02-19	Sama
22	3802769	1974-04-09	Rotz et al.
23	3811186	1974-05-21	Lerner et al.
24	3861784	1975-01-21	Torok
25	3862360	1975-01-21	Dill et al.
26	3871014	1975-03-11	King et al.
27	3886310	1975-05-27	Guldberg et al.
28	3996338	1975-07-22	Nathanson et al.
29	3915548	1975-10-28	Opittek
30	3935499	1976-01-27	Oess
31	3935500	1976-01-26	Oess et al.
32	3938881	1976-02-17	Biegelsen et al.
33	3941456	1976-03-02	Schiltz et al.
34	3942245	1976-03-09	Jackson et al.
35	3943281	1976-03-09	Keller et al.
36	3947105	1976-03-30	Smith
37	3953611	1976-07-13	Fonteneau
38	3980476	1976-09-14	Wysocki
39	3991416	1976-11-09	Byles et al.
40	4001663	1977-01-04	Bray
41	4004849	1977-01-25	Shattuck
42	4006968	1977-02-08	Ernstoff et al.
43	4009939	1977-03-01	Okano
44	4011009	1977-03-08	Lama et al.
45	4012116	1977-03-15	Yevick
46	4012835	1977-03-22	Wallick
47	4017158	1977-04-12	Booth
48	4020381	1977-04-26	Oess et al.
49	4021766	1977-05-03	Aine
50	4034211	1977-07-05	Horst et al.

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## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

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7/10/2003

electronic filing contains part 1 out of a total of 16 electronic filings.

Signature

Examiner Name	Date

UNITED STATES PATENT AND TRADEMARK OFFICE  
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Electronic Version 1.1

Stylesheet Version v1.1.1

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Attorney Docket Number:																										
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS	
Application Number:	10/047550	*10/047550*
Date:	2002-01-15	
First Named Applicant:	Gregory D. Miller	
Confirmation Number:	5291	
Attorney Docket Number:		

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted

us-ids

Files

SLM06100B-usidst.xml

us-ids.dtd

us-ids.xsl

Comments

**ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*

Confirmation Number: 5291

First Named Applicant: Gregory Miller

Attorney Docket Number:

Search string:  
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**US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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1	4034399		1977-07-05	Drukier et al.		357	68
2	4035068		1977-07-12	Rawson		353	122
3	4067129		1978-01-10	Abramson et al.		40	563
4	4084437		1978-04-18	Finnegan		73	361
5	4090219		1978-05-16	Ernstoff et al.		358	59
6	4093346		1978-06-06	Nishino et al.		350	162 SF
7	4093921		1978-06-06	Buss		325	459
8	4093922		1978-06-06	Buss		325	459
9	4100579		1978-07-11	Ernstoff		358	230
10	4103273		1978-07-25	Keller		338	2
11	4126380		1978-11-21	Born		350	266
12	4127322		1978-11-28	Jacobson et al.		353	31
13	4135502		1979-01-23	Peck		128	76.5
14	4139257		1979-02-13	Matsumoto		350	6.1
15	4143943		1979-03-13	Rawson		350	120
16	4163570		1979-08-07	Greenaway		283	8 A

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**Remarks**

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electronic filing contains part 2 out of a total of 16 electronic filings.

Signature

Examiner Name

Date

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ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
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## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted us-ids	Files SLM06100C-usidst.xml us-ids.dtd us-ids.xsl
Comments	

**ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*

Confirmation Number: 5291

First Named Applicant: Gregory Miller

Attorney Docket Number:

Search string: ( 4414583 or 4417386 or 4418397 or 4420717 or 4422099 or 4426768 or 4430584 or 4435041 or 4440839 or 4443819 or 4443845 or 4447681 or 4454591 or 4456338 or 4460907 or 4462046 or 4467342 or 4468725 or 4483596 or 4484188 or 4487677 or 4492435 or 4503494 or 4511220 or 4538883 or 4545610 or 4556378 or 4558171 or 4561044 or 4566935 or 4567585 or 4571041 or 4571603 or 4577932 or 4577933 or 4588957 or 4590548 or 4594501 or 4596992 or 4615595 or 4623219 or 4636039 or 4636866 or 4641193 or 4645881 or 4646158 or 4649085 or 4649432 or 4652932 or 4655539 ).pn.

**US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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1	4414583	1983-11-08		Hooker, III		358	300
2	4417386	1983-11-29		Exner		29	580
3	4418397	1983-11-29		Branfingham et al.		364	900
4	4420717	1983-12-13		Wallace et al.		318	696
5	4422099	1983-12-20		Wolfe		358	293
6	4426768	1984-01-24		Black et al.		29	583
7	4430584	1984-02-07		Someshwar et al.		307	465
8	4435041	1984-03-06		Torok et al.		350	162.24
9	4440839	1984-04-03		Mottier		430	2
10	4443819	1984-04-17		Funada et al.		358	236
11	4443845	1984-04-17		Hamilton et al.		364	200
12	4447881	1984-05-08		Branfingham et al.		364	488
13	4454591	1984-06-12		Lou		364	900
14	4456338	1984-06-26		Gelbart		350	358
15	4460807	1984-07-17		Nelson		346	153.1
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18	4468725	1984-08-28	Venturini
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20	4484188	1984-11-20	Ott
21	4487677	1984-12-11	Murphy
22	4492435	1985-01-08	Banton et al.
23	4503494	1985-03-05	Hamilton et al.
24	4511220	1985-04-16	Scully
25	4536883	1985-09-03	Sprague et al.
26	4545610	1985-10-08	Lakritz et al.
27	4556378	1985-12-03	Nyfeler et al.
28	4558171	1985-12-10	Gantley et al.
29	4561044	1985-12-24	Ogura et al.
30	4566935	1986-01-28	Hornbeck
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50	4655539	1987-04-07	Caulfield et al.

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**Remarks**

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

file:///G:/IDS-E-Filed/SLM06100\SLM06100C\SLM06100C-usidst.xml

7/10/2003

electronic filing contains part 3 out of a total of 16 electronic filings.

Signature

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43305																									
Server Response:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Confirmation Code</th> <th style="width: 80%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5291</td> </tr> <tr> <td>ISYS5</td> <td>Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.</td> </tr> </tbody> </table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5291	ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																
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ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																									
ICON1	5291																									
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																									
First Named Applicant:	Gregory Miller																									
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From:	us																									
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100D-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*

Confirmation Number: 5291

First Named Applicant: Gregory Miller

Attorney Docket Number:

Search string: ( 4660938 or 4661828 or 4662746 or 4663670 or 46637326 or 4698602 or 4700276 or 4707064 or 4709998 or 4710732 or 4711526 or 4714326 or 4717066 or 4719507 or 4721628 or 4722593 or 4724467 or 4728185 or 4743091 or 4744633 or 4747671 or 4751509 or 4761253 or 4763975 or 4765865 or 4772094 or 4797694 or 4797918 or 4801194 or 4803560 or 4804641 or 4807021 or 4807965 or 4809078 or 4811082 or 4811210 or 4814759 or 4817850 or 4824200 or 4827391 or 4829385 or 4836649 or 4856863 or 4856889 or 4859012 or 4859060 or 4866488 or 4882663 or 4893509 or 4896325 ),pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	4660938	1987-04-28		Kazan	350	355	
2	4661828	1987-04-28		Miller, Jr. et al.	346	108	
3	4662746	1987-05-05		Hornbeck	350	269	
4	4663670	1987-05-05		Ito et al.	358	245	
5	4687326	1987-08-18		Corby, Jr.	356	5	
6	4698802	1987-10-06		Armitage	332	7.51	
7	4700276	1987-10-13		Freyman et al.	361	403	
8	4707064	1987-11-17		Dobrowski et al.	350	96.19	
9	4709995	1987-12-01		Kuribayashi et al.	350	350	
10	4710732	1987-12-01		Hornbeck	332	7.51	
11	4711526	1987-12-08		Hennings et al.	350	170	
12	4714326	1987-12-22		Usui et al.	350	485	
13	4717068	1988-01-05		Goldenberg et al.	228	179	
14	4719507	1988-01-12		Bos	358	92	
15	4721628	1988-01-26		Sakai et al.	427	35	
16	4722593	1988-02-02		Shimazaki	350	336	

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7/10/2003

17	4724467	1988-02-09	Yip et al.
18	4728185	1988-03-01	Thomas
19	4743091	1988-05-10	Gelbart
20	4744633	1988-05-17	Sheiman
21	4747671	1988-05-31	Takahashi et al.
22	4751509	1988-06-14	Kubota et al.
23	4761253	1988-08-02	Antes
24	4763975	1988-08-16	Scifres et al.
25	4765865	1988-08-23	Gealer et al.
26	4772094	1988-09-20	Sheiman
27	4797694	1989-01-10	Agostinelli et al.
28	4797918	1989-01-10	Lee et al.
29	4801194	1989-01-31	Agostinelli et al.
30	4803560	1989-02-07	Matsuaga et al.
31	4804641	1989-02-14	Arlt et al.
32	4807021	1989-02-21	Okumura
33	4807965	1989-02-28	Garakani
34	4809078	1989-02-28	Yabe et al.
35	4811082	1989-03-07	Jacobs et al.
36	4811210	1989-03-07	McAulay
37	4814759	1989-03-21	Gombrich et al.
38	4817850	1989-04-04	Wiener-Avnear et al.
39	4824200	1988-04-25	Isono et al.
40	4827391	1989-05-02	Sills
41	4829365	1989-05-09	Eichenlaub
42	4836649	1989-06-06	Ledeuhn et al.
43	4856863	1989-08-15	Sampsell et al.
44	4858689	1989-08-15	Sakata et al.
45	4859012	1989-08-22	Cohn
46	4859060	1989-08-22	Katagiri et al.
47	4866488	1989-09-12	Frensley
48	4882683	1989-11-21	Rupp et al.
49	4893509	1990-01-16	MacIver et al.
50	4896325	1990-01-23	Coldren

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## Remarks

Note: Remarks are not for responding to an office action.

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7/10/2003

electronic filing contains part 4 out of a total of 16 electronic filings.

Signature

Examiner Name	Date
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**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	<b>METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS</b>																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
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Server Response:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Confirmation Code</th> <th style="width: 80%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5291</td> </tr> <tr> <td>ISYS5</td> <td>Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.</td> </tr> </tbody> </table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5291	ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 14:51:51 EDT																									
From:	us																									
File Listing:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 30%;">Size (Bytes)</th> </tr> </thead> <tbody> <tr> <td>us-ids</td> <td>SLM06100E-usidst.xml</td> <td>13329</td> </tr> <tr> <td>us-ids</td> <td>us-ids.dtd</td> <td>7763</td> </tr> <tr> <td>us-ids</td> <td>us-ids.xsl</td> <td>12026</td> </tr> <tr> <td>package-data</td> <td>SLM06100E-pkda.xml</td> <td>1805</td> </tr> <tr> <td>package-data</td> <td>package-data.dtd</td> <td>27025</td> </tr> <tr> <td>package-data</td> <td>us-package-data.xsl</td> <td>19263</td> </tr> <tr> <td align="right" colspan="2">Total files size</td><td>81211</td> </tr> </tbody> </table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100E-usidst.xml	13329	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100E-pkda.xml	1805	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263	Total files size		81211
Doc. Name	File Name	Size (Bytes)																								
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100E-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*

Confirmation Number: 5291

First Named Applicant: Gregory Miller

Attorney Docket Number:

Search string: ( 4886948 or 4897708 or 4902083 or 4915463 or 4915479 or 4924413 or 4926241 or 4930043 or 4934773 or 4940309 or 4943815 or 4945773 or 4949148 or 4950850 or 4952925 or 4954789 or 4956619 or 4961833 or 4970575 or 4978202 or 4982184 or 4982265 or 4984824 or 4993905 or 5003300 or 5009473 or 5013141 or 5018256 or 5022750 or 5023905 or 5024494 or 5028939 or 5035473 or 5037173 or 5039628 or 5040052 or 5041395 or 5041851 or 5043917 or 5048077 or 5049901 or 5058992 or 5060058 or 5061049 or 5066614 or 5068205 or 5072239 or 5072418 or 5074947 or 5075940 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	4896948		1990-01-30	Dono et al.		350	355
2	4997708		1990-01-30	Clements		357	65
3	4902083		1990-02-20	Wells		350	6.6
4	4915463		1990-04-10	Barbee, Jr.		350	1.1
5	4915479		1990-04-10	Clarke		350	345
6	4924413		1990-05-08	Suwannukul		364	521
7	4926241		1990-05-15	Carey		357	75
8	4930043		1990-05-29	Wiegand		361	283
9	4934773		1990-06-19	Becker		350	6.6
10	4940309		1990-07-10	Baum		350	171
11	4943815		1990-07-24	Aldrich et al.		346	108
12	4945773		1990-08-07	Sickafus		73	862.59
13	4949148		1990-08-14	Bartelink		357	74
14	4950890		1990-08-21	Gelbart		250	237 G
15	4952925		1990-08-28	Haastert		340	784
16	4954789		1990-09-04	Sampsell		330	4.3

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7/10/2003

17	4956619	1990-09-11	Hornbeck
18	4961633	1990-10-09	Ibrahim et al.
19	4970575	1990-11-13	Soga et al.
20	4978202	1990-12-18	Yang
21	4982184	1991-01-01	Kirkwood
22	4982265	1991-01-01	Walanabe et al.
23	4984824	1991-01-15	Antes et al.
24	4993908	1991-03-12	Nishiura et al.
25	5003300	1991-03-26	Wells
26	5009473	1991-04-23	Hunter et al.
27	5013141	1991-05-07	Sakata
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46	5068205	1991-11-26	Baxter et al.
47	5072239	1991-12-10	Mitcham et al.
48	5072418	1991-12-10	Boutaud et al.
49	5074947	1991-12-24	Estes et al.
50	5075940	1991-12-31	Kuriyama et al.

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## Remarks

Note: Remarks are not for responding to an office action.

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Signature

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD  
FERROELECTRICS

Submission Type: Information Disclosure Statement

Application Number: 10/047550 \*10/047550\*

EFS ID: 43308

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5291
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Gregory Miller

Attorney Docket Number:

Timestamp: 2003-07-10 14:53:11 EDT

From: us

File Listing:

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Total files size		81804

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Digital Certificate Holder  
Name: cn=Thomas B. Haverstock,ou=Registered  
Attorneys,ou=Patent and Trademark Office,ou=Department of  
Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100F-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

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Application Number:	10/047550 *10/047550*													
Confirmation Number:	5291													
First Named Applicant:	Gregory Miller													
Attorney Docket Number:														
Search string:	( 5079544 or 5081617 or 5083857 or 5085497 or 5089903 or 5093281 or 5096279 or 5099353 or 5101184 or 5101236 or 5103334 or 5105207 or 5105299 or 5105369 or 5107372 or 5112436 or 5113272 or 5113285 or 5115344 or 5119204 or 5121343 or 5126812 or 5126826 or 5126836 or 5128660 or 5129716 or 5132723 or 5132812 or 5136695 or 5137836 or 5142303 or 5142405 or 5142677 or 5144472 or 5147815 or 5148157 or 5148506 or 5149405 or 5150205 or 5151718 or 5151724 or 5151763 or 5153770 or 5155604 or 5155615 or 5155778 or 5155812 or 5157304 or 5159485 or 5161042 ).pn.													
<b>US Patent Documents</b>														
Note: Applicant is not required to submit a paper copy of cited US Patent Documents														
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass							
	1	5079544	1992-01-07	DeMond et al.	340	701								
	2	5081617	1992-01-14	Gelbart	369	112								
	3	5083857	1992-01-28	Hornbeck	359	291								
	4	5085497	1992-02-04	Um et al.	359	848								
	5	5089903	1992-02-18	Kuwayama et al.	359	15								
	6	5093281	1992-03-03	Eshima	437	217								
	7	5096279	1992-03-17	Hornbeck et al.	359	230								
	8	5099353	1992-03-24	Hornbeck	359	291								
	9	5101184	1992-03-31	Antes	235	454								
	10	5101236	1992-03-31	Nelson et al.	355	229								
	11	5103334	1992-04-07	Swanberg	359	197								
	12	5105207	1992-04-14	Nelson	346	160								
	13	5105299	1992-04-14	Anderson et al.	359	223								
	14	5105369	1992-04-14	Nelson	364	525								
	15	5107372	1992-04-21	Gelbart et al.	359	824								
	16	5112436	1992-05-12	Bol	156	643								

	17	5113272	1992-05-12	Reamey		359	53
	18	5113285	1992-05-12	Franklin et al.		359	465
	19	5115344	1992-05-19	Jaskie		359	573
	20	5119204	1992-06-02	Hashimoto et al.		358	254
	21	5121343	1992-06-09	Faris		395	111
	22	5126812	1992-06-30	Greiff		357	25
	23	5126826	1992-06-30	Kauchi et al.		357	72
	24	5126836	1992-06-30	Um		358	60
	25	5128660	1992-07-07	DeMond et al.		340	707
	26	5129716	1992-07-14	Holakovszky et al.		351	50
	27	5132723	1992-07-21	Gelbart		355	40
	28	5132812	1992-07-21	Takahashi et al.		359	9
	29	5136695	1992-08-04	Goldshlag et al.		395	275
	30	5137836	1992-08-11	Lam		437	8
	31	5142303	1992-08-25	Nelson		346	108
	32	5142405	1992-08-25	Hornbeck		359	226
	33	5142677	1992-08-25	Ehlig et al.		395	650
	34	5144472	1992-09-01	Sang, Jr. et al.		359	254
	35	5147815	1992-09-15	Casto		437	51
	36	5148157	1992-09-15	Florence		340	783
	37	5148506	1992-09-15	McDonald		385	16
	38	5149405	1992-09-22	Bruns et al.		204	129.1
	39	5150205	1992-09-22	Um et al.		358	60
	40	5151718	1992-09-29	Nelson		346	160
	41	5151724	1992-09-29	Kikinis		357	17
	42	5151763	1992-09-29	Marek et al.		357	26
	43	5153770	1992-10-06	Harris		359	245
	44	5155604	1992-10-13	Miekka et al.		359	2
	45	5155615	1992-10-13	Tagawa		359	213
	46	5155778	1992-10-13	Magel et al.		385	18
	47	5155812	1992-10-13	Ehlig et al.		395	275
	48	5157304	1992-10-20	Kane et al.		313	495
	49	5159485	1992-10-27	Nelson		359	291
	50	5161042	1992-11-03	Hamada		359	41

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

electronic filing contains part 6 out of a total of 16 electronic filings.

**Signature**

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43309																									
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Confirmation Code	Message																									
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ICON1	5291																									
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																									
First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 14:54:39 EDT																									
From:	us																									
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th></tr></thead><tbody><tr><td>us-ids</td><td>SLM06100G-usidst.xml</td><td>13328</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td></tr><tr><td>package-data</td><td>SLM06100G-pkda.xml</td><td>1805</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td></tr><tr><td></td><td>Total files size</td><td>81210</td></tr></tbody></table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100G-usidst.xml	13328	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100G-pkda.xml	1805	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263		Total files size	81210
Doc. Name	File Name	Size (Bytes)																								
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted us-ids	Files SLM06100G-usidst.xml us-ids.dtd us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*  
 Confirmation Number: 5291  
 First Named Applicant: Gregory Miller  
 Attorney Docket Number:  
 Search string: ( 5162787 or 5164019 or 5165013 or 5168401 or 5168406 or 5170156 or 5170269 or 5170283 or 5172161 or 5172262 or 5177724 or 5178728 or 5179274 or 5179367 or 5181231 or 5182665 or 5185660 or 5188280 or 5189404 or 5189505 or 5191405 or 5192864 or 5192946 or 5198895 or 5202785 or 5206629 or 5208818 or 5208891 or 5210637 or 5212115 or 5212555 or 5212582 or 5214308 or 5214419 or 5214420 or 5216537 or 5216544 or 5219794 or 5220200 or 5221400 or 5221982 or 5224088 or 5226099 or 5230005 or 5231363 or 5231388 or 5231432 or 5233456 or 5233460 or 5233874 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5162787	1992-11-10	Thompson et al.	340	794	
	2	5164019	1992-11-17	Sinton	136	249	
	3	5165013	1992-11-17	Faris	395	104	
	4	5168401	1992-12-01	Endriz	359	625	
	5	5168406	1992-12-01	Nelson	359	855	
	6	5170156	1992-12-08	DeMond et al.	340	794	
	7	5170269	1992-12-08	Lin et al.	359	9	
	8	5170283	1992-12-08	O'Brien et al.	359	291	
	9	5172161	1992-12-15	Nelson	355	200	
	10	5172262	1992-12-15	Hornbeck	359	223	
	11	5177724	1993-01-05	Gelbart	369	44.16	
	12	5178728	1993-01-12	Boysel et al.	156	656	
	13	5179274	1993-01-12	Sampsell	250	208.2	
	14	5179367	1993-01-12	Shimizu	340	700	
	15	5181231	1993-01-19	Parikh et al.	377	26	
	16	5182665	1993-01-26	O'Callaghan et al.	359	95	

17	5185660	1993-02-09	Um	358	60
18	5188280	1993-02-23	Nakao et al.	228	123
19	5189404	1993-02-23	Masimo et al.	340	720
20	5189505	1993-02-23	Bartelink	257	419
21	5191405	1993-03-02	Tomita et al.	257	777
22	5192864	1993-03-09	McEwen et al.	250	234
23	5192946	1993-03-09	Thompson et al.	340	794
24	5198895	1993-03-30	Vick	358	103
25	5202785	1993-04-13	Nelson	359	214
26	5206629	1993-04-27	DeMond et al.	340	719
27	5208818	1993-05-04	Gelbart et al.	372	30
28	5208891	1993-05-04	Prysner	385	116
29	5210637	1993-05-11	Puzey	359	263
30	5212115	1993-05-18	Cho et al.	437	208
31	5212555	1993-05-18	Stoltz	358	206
32	5212582	1993-05-18	Nelson	359	224
33	5214308	1993-05-25	Nishiquchi et al.	257	692
34	5214419	1993-05-25	DeMond et al.	340	794
35	5214420	1993-05-25	Thompson et al.	340	795
36	5216537	1993-06-01	Hornbeck	359	291
37	5216544	1993-06-01	Horikawa et al.	359	622
38	5219794	1993-06-15	Satoh et al.	437	209
39	5220200	1993-06-15	Blanton	257	778
40	5221400	1993-06-22	Staller et al.	156	292
41	5221982	1993-06-22	Faris	359	93
42	5224088	1993-06-29	Atiya	369	97
43	5226099	1993-07-06	Mignardi et al.	385	19
44	5230005	1993-07-20	Rubino et al.	372	20
45	5231363	1993-07-27	Sano et al.	332	109
46	5231388	1993-07-27	Stoltz	340	783
47	5231432	1993-07-27	Glenn	353	31
48	5233456	1993-08-03	Nelson	359	214
49	5233460	1993-08-03	Partlo et al.	359	247
50	5233874	1993-08-10	Putty et al.	73	517 AV

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

electronic filing contains part 7 out of a total of 16 electronic filings.

**Signature**

Examiner Name	Date

UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD  
FERROELECTRICS

Submission Type: Information Disclosure Statement

Application Number: 10/047550 \*10/047550\*

EFS ID: 43311

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5291
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Gregory Miller

Attorney Docket Number:

Timestamp: 2003-07-10 14:56:04 EDT

From: us

File Listing:

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Digital Certificate Holder Name: cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted us-ids	Files SLM06100H-usidst.xml us-ids.dtd us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	<b>METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS</b>	
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Application Number: 10/047550 \*10/047550\*  
 Confirmation Number: 5291  
 First Named Applicant: Gregory Miller  
 Attorney Docket Number:  
 Search string: ( 5237340 or 5237435 or 5239448 or 5239806 or 5240818 or 5245686 or 5247180 or 5247593 or 5249245 or 5251057 or 5251058 or 5254980 or 5255100 or 5256869 or 5258325 or 5260718 or 5260798 or 5262000 or 5272473 or 5278652 or 5278925 or 5280277 or 5281887 or 5281957 or 5285105 or 5285196 or 5285407 or 5287096 or 5287215 or 5289172 or 5291317 or 5291473 or 5293511 or 5296408 or 5296891 or 5296950 or 5298460 or 5299037 or 5299289 or 5300813 or 5301062 or 5303043 or 5303055 or 5307056 or 5307185 or 5310624 or 5311349 or 5311360 or 5312513 or 5313479 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5237340	1993-08-17	Nelson	346	108	
	2	5237435	1993-08-17	Kurematsu et al.	359	41	
	3	5239448	1993-08-24	Perkins et al.	361	764	
	4	5239806	1993-08-31	Maslakow	53	432	
	5	5240818	1993-08-31	Mignardi et al.	430	321	
	6	5245686	1993-09-14	Faris et al.	385	120	
	7	5247180	1993-09-21	Mitcham et al.	250	492.1	
	8	5247593	1993-09-21	Lin et al.	385	17	
	9	5249245	1993-09-28	Lebby et al.	385	89	
	10	5251057	1993-10-05	Guerin et al.	359	249	
	11	5251058	1993-10-05	MacArthur	359	249	
	12	5254980	1993-10-19	Hendrix et al.	345	84	
	13	5255100	1993-10-19	Urbanus	358	231	
	14	5256869	1993-10-26	Lin et al.	250	201.9	
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	16	5260718	1993-11-09	Rommelmann et al.	346	107 R	

17	5260798	1993-11-09	Um et al.	358	233
18	5262000	1993-11-16	Welbourn et al.	156	643
19	5272473	1993-12-21	Thompson et al.	345	7
20	5278652	1994-01-11	Urbanus et al.	358	160
21	5278925	1994-01-11	Boysel et al.	385	14
22	5280277	1994-01-18	Hornbeck	345	108
23	5281887	1994-01-25	Engle	310	335
24	5281957	1994-01-25	Schoolman	345	8
25	5285105	1994-02-08	Cain	257	672
26	5285196	1994-02-08	Gale, Jr.	345	108
27	5285407	1994-02-08	Gale et al.	365	189.11
28	5287096	1994-02-15	Thompson et al.	345	147
29	5287215	1994-02-15	Warde et al.	359	293
30	5289172	1994-02-22	Gale, Jr. et al.	345	108
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32	5291473	1994-03-01	Pauli	369	112
33	5293511	1994-03-08	Poradish et al.	257	434
34	5296408	1994-03-22	Wilbarg et al.	437	203
35	5296891	1994-03-22	Vogt et al.	355	67
36	5296950	1994-03-22	Lin et al.	359	9
37	5298460	1994-03-29	Nishiguchi et al.	437	183
38	5299037	1994-03-29	Sakata	359	41
39	5299289	1994-03-29	Omae et al.	359	95
40	5300813	1994-04-05	Joshi et al.	257	752
41	5301062	1994-04-05	Takahashi et al.	359	567
42	5303043	1994-04-12	Glenn	348	40
43	5303055	1994-04-12	Hendrix et al.	348	761
44	5307056	1994-04-26	Urbanus	340	189
45	5307185	1994-04-26	Jones et al.	359	41
46	5310624	1994-05-10	Ehrlich	430	322
47	5311349	1994-05-10	Anderson et al.	359	223
48	5311360	1994-05-10	Bloom et al.	359	572
49	5312513	1994-05-17	Florence et al.	156	643
50	5313479	1994-05-17	Florence	372	26

## Remarks

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electronic filing contains part 8 out of a total of 16 electronic filings.

Signature

Examiner Name	Date

UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD  
FERROELECTRICS

Submission Type: Information Disclosure Statement

Application Number: 10/047550 \*10/047550\*

EFS ID: 43312

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5291
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Gregory Miller

Attorney Docket Number:

Timestamp: 2003-07-10 14:57:26 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)
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package-data	us-package-data.xsl	19263
Total files size		82552

Message Digest: 8742467f6b2f379fd639151d4b3318431573fbdb8

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Name: cn=Thomas B. Haverstock,ou=Registered  
Attorneys,ou=Patent and Trademark Office,ou=Department  
of Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100I-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

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Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
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Application Number: 10/047550 \*10/047550\*  
 Confirmation Number: 5291  
 First Named Applicant: Gregory Miller  
 Attorney Docket Number:  
 Search string: ( 5313648 or 5313835 or 5315418 or 5315423 or 5319214 or 5319789 or 5319792 or 5321416 or 5323002 or 5323051 or 5325116 or 5327286 or 5329289 or 5330301 or 5330878 or 5331454 or 5334991 or 5339116 or 5339177 or 5340772 or 5345521 or 5347321 or 5347433 or 5347378 or 5348619 or 5349687 or 5351052 or 5352926 or 5354416 or 5357369 or 5357803 or 5359349 or 5359451 or 5361131 or 5363220 or 5365283 or 5367585 or 5371543 or 5371618 or 5382961 or 5387924 or 5389182 or 5391881 or 5392140 or 5392151 or 5394303 or 5398071 or 5399898 or 5404365 or 5404485 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5313648	1994-05-17	Ehlig et al.	395	800	
	2	5313835	1994-05-24	Dunn	73	505	
	3	5315418	1994-05-24	Sprague et al.	359	41	
	4	5315423	1994-05-24	Hong	359	124	
	5	5319214	1994-06-07	Gregory et al.	250	504 R	
	6	5319789	1994-06-07	Ehlig et al.	395	800	
	7	5319792	1994-06-07	Ehlig et al.	395	800	
	8	5321416	1994-06-14	Bassett et al.	345	8	
	9	5323002	1994-06-21	Sampsell et al.	250	252.1	
	10	5323051	1994-06-21	Adams et al.	257	417	
	11	5325116	1994-06-28	Sampsell	346	108	
	12	5327286	1994-07-05	Sampsell et al.	359	561	
	13	5329289	1994-07-12	Sakamoto et al.	345	126	
	14	5330301	1994-07-19	Brancher	414	417	
	15	5330878	1994-07-19	Nelson	430	311	
	16	5331454	1994-07-19	Hornbeck	359	224	

	17	5334991	1994-08-02	Wells et al.		345	8
	18	5339116	1994-08-16	Urbanus et al.		348	716
	19	5339177	1994-08-16	Jenkins et al.		359	35
	20	5340772	1994-08-23	Rosotker		437	226
	21	5345521	1994-09-06	McDonald et al.		385	19
	22	5347321	1994-09-13	Gove		348	663
	23	5347433	1994-09-13	Sedlmayr		362	32
	24	5347378	1994-09-13	Handschy et al.		359	53
	25	5348619	1994-09-20	Bohannon et al.		156	664
	26	5349687	1994-09-20	Ehlig et al.		395	800
	27	5351052	1994-09-27	D'Hont et al.		342	42
	28	5352926	1994-10-04	Andrews		257	717
	29	5354416	1994-10-11	Okudaira		156	643
	30	5357369	1994-10-18	Pilling et al.		359	462
	31	5357803	1994-10-25	Lane		73	517 B
	32	5359349	1994-10-25	Jambor et al.		345	168
	33	5359451	1994-10-25	Gelbart et al.		359	285
	34	5361131	1994-11-01	Tekemori et al.		356	355
	35	5363220	1994-11-08	Kuwayama et al.		359	3
	36	5365283	1994-11-15	Doherty et al.		348	743
	37	5367585	1994-11-22	Ghezzo et al.		385	23
	38	5371543	1994-12-06	Anderson		348	270
	39	5371618	1994-12-06	Tai et al.		359	53
	40	5382961	1995-01-17	Gale, Jr.		345	108
	41	5387924	1995-02-07	Gale, Jr. et al.		345	108
	42	5389182	1995-02-14	Mignardi		156	344
	43	5391881	1995-02-21	Jeuch et al.		250	370.09
	44	5392140	1995-02-21	Ezra et al.		359	41
	45	5392151	1995-02-21	Nelson		359	223
	46	5394303	1995-02-28	Yamaji		361	749
	47	5398071	1995-03-14	Gove et al.		348	558
	48	5399898	1995-03-21	Rostoker		257	499
	49	5404365	1995-04-04	Hiiro		372	27
	50	5404485	1995-04-04	Ban		395	425

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

electronic filing contains part 9 out of a total of 16 electronic filings.

**Signature**

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43313																									
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 14:58:49 EDT																									
From:	us																									
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th></tr></thead><tbody><tr><td>us-ids</td><td>SLM06100J-usidst.xml</td><td>13975</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td></tr><tr><td>package-data</td><td>SLM06100J-pkda.xml</td><td>1805</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td></tr><tr><td></td><td>Total files size</td><td>81857</td></tr></tbody></table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100J-usidst.xml	13975	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100J-pkda.xml	1805	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263		Total files size	81857
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100J-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS						
Application Number:	10/047550					*10/047550*	
Confirmation Number:	5291						
First Named Applicant:	Gregory Miller						
Attorney Docket Number:							
Search string:	( 5408123 or 5410315 or 5411769 or 5412186 or 5412501 or 5418584 or 5420655 or 5420722 or 5426072 or 5427975 or 5430524 or 5435876 or 5438477 or 5439731 or 5442411 or 5442414 or 5444566 or 5445559 or 5446479 or 5447600 or 5448314 or 5448546 or 5450088 or 5450219 or 5451103 or 5452024 or 5452138 or 5453747 or 5453778 or 5453803 or 5454160 or 5454906 or 5455445 or 5455455 or 5455602 or 5457493 or 5457566 or 5457567 or 5458716 or 5459492 or 5459528 or 5459592 or 5459610 or 5461197 or 5461410 or 5461411 or 5461547 or 5463347 or 5463497 or 5465175 ).pn.						
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5408123	1995-04-18	Murai	257	531	
	2	5410315	1995-04-25	Huber	342	42	
	3	5411769	1995-05-02	Hornbeck	427	534	
	4	5412186	1995-05-02	Gale	219	679	
	5	5412501	1995-05-02	Fisli	359	286	
	6	5418584	1995-05-23	Larson	353	122	
	7	5420655	1995-05-30	Shimizu	353	33	
	8	5420722	1995-05-30	Bielak	359	708	
	9	5426072	1995-06-20	Finnila	437	208	
	10	5427975	1995-06-27	Sparks et al.	437	79	
	11	5430524	1995-07-04	Nelson	355	200	
	12	5435876	1995-07-25	Alfaro et al.	156	247	
	13	5438477	1995-08-01	Pasch	361	689	
	14	5439731	1995-08-08	Li et al.	428	209	
	15	5442411	1995-08-15	Urbanus et al.	348	771	
	16	5442414	1995-08-15	Janssen et al.	353	98	

17	5444566	1995-08-22	Gale et al.	359	291
18	5445559	1995-08-29	Gale et al.	451	388
19	5446479	1995-08-29	Thompson et al.	345	139
20	5447600	1995-09-05	Webb	216	2
21	5448314	1995-09-05	Heimbuch et al.	348	743
22	5448546	1995-09-05	Pauli	369	112
23	5450088	1995-09-12	Meier et al.	342	51
24	5450219	1995-09-12	Gold et al.	359	40
25	5451103	1995-09-19	Hatanaka et al.	353	31
26	5452024	1995-09-19	Sampsell	348	755
27	5452138	1995-09-19	Mignardi et al.	359	855
28	5453747	1995-09-26	D'Hont et al.	342	42
29	5453778	1995-09-26	Venkateswar et al.	347	239
30	5453803	1995-09-26	Shapiro et al.	353	119
31	5454160	1995-10-03	Nickel	29	840
32	5454906	1995-10-03	Baker et al.	216	66
33	5455445	1995-10-03	Kurtz et al.	257	419
34	5455455	1995-10-03	Badehi	257	690
35	5455602	1995-10-03	Tew	347	239
36	5457493	1995-10-10	Leddy et al.	348	164
37	5457566	1995-10-10	Sampsell et al.	359	292
38	5457567	1995-10-10	Shinohara	359	305
39	5458716	1995-10-17	Alfaro et al.	156	245
40	5459492	1995-10-17	Venkateswar	347	253
41	5459528	1995-10-17	Pettitt	348	568
42	5459592	1995-10-17	Shibatani et al.	359	40
43	5459610	1995-10-17	Bloom et al.	359	572
44	5461197	1995-10-24	Hiruta et al.	174	52.4
45	5461410	1995-10-24	Venkateswar et al.	347	240
46	5461411	1995-10-24	Florence et al.	347	240
47	5461547	1995-10-24	Ciupke et al.	362	31
48	5463347	1995-10-31	Jones et al.	330	253
49	5463497	1995-10-31	Muraki et al.	359	618
50	5465175	1995-11-07	Woodgate et al.	359	463

## Remarks

Note: Remarks are not for responding to an office action.

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Examiner Name	Date

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ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

**METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD  
FERROELECTRICS**

Submission Type: Information Disclosure Statement

Application Number: 10/047550 \*10/047550\*

EFS ID: 43314

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5291
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg: Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Gregory Miller

Attorney Docket Number:

Timestamp: 2003-07-10 15:00:09 EDT

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File Listing:

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Digital Certificate Holder  
Name: cn=Thomas B. Haverstock,ou=Registered  
Attorneys,ou=Patent and Trademark Office,ou=Department of  
Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100K-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS											
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Confirmation Number:	5291											
First Named Applicant:	Gregory Miller											
Attorney Docket Number:												
Search string:	( 5467106 or 5467138 or 5467146 or 5469302 or 5471341 or 5473512 or 5475236 or 5480839 or 5481118 or 5481133 or 5482564 or 5482818 or 5483307 or 5485172 or 5485304 or 5485354 or 5486698 or 5486841 or 5486946 or 5488431 or 5489952 or 5490009 or 5491510 or 5491612 or 5491715 or 5493177 or 5493439 or 5497172 or 5497197 or 5497262 or 5499060 or 5499062 or 5500761 or 5502481 or 5504504 or 5504514 or 5504575 or 5504614 or 5506171 or 5506597 or 5506720 or 5508558 or 5508561 or 5508565 or 5508750 or 5508840 or 5508841 or 5510758 or 5510824 or 5512374 ).pn.											
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents												
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	1	5467106	1995-11-14	Salomon	345	87						
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35	5504504	1996-04-02	Markandey et al.	345	214
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49	5510824	1996-04-23	Nelson	347	239
50	5512374	1996-04-30	Wallace et al.	428	422

## Remarks

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Signature

Examiner Name	Date

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ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

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Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43315																									
Server Response:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Confirmation Code</th> <th style="width: 80%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5291</td> </tr> <tr> <td>ISYS5</td> <td>Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.</td> </tr> </tbody> </table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5291	ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 15:01:21 EDT																									
From:	us																									
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## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100L-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS													
Application Number:	10/047550 *10/047550*													
Confirmation Number:	5291													
First Named Applicant:	Gregory Miller													
Attorney Docket Number:														
Search string:	( 5512748 or 5515076 or 5516125 or 5517340 or 5517347 or 5517357 or 5517359 or 5519251 or 5519450 or 5521748 or 5523619 or 5523628 or 5523803 or 5523878 or 5523881 or 5523920 or 5524155 or 5534107 or 5534883 or 5539422 or 5544306 or 5554304 or 5576878 or 5602671 or 5606181 or 5606447 or 5610438 or 5623361 or 5629566 or 5629801 or 5640216 or 5658698 or 5661592 or 5661593 or 5663817 or 5668611 or 5673139 or 5677783 or 5689361 or 5691836 or 5694740 or 5696560 or 5699740 or 5704700 or 5707160 or 5712649 or 5713652 or 5726480 or 5731802 or 5734224 ).pn.													
<b>US Patent Documents</b>														
Note: Applicant is not required to submit a paper copy of cited US Patent Documents														
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	1	5512748	1996-04-30	Hanson	250	332								
	2	5515076	1996-05-07	Thompson et al.	345	139								
	3	5516125	1996-05-14	McKenna	279	3								
	4	5517340	1996-05-14	Doany et al.	359	41								
	5	5517347	1996-05-14	Sampsell	359	224								
	6	5517357	1996-05-14	Shibayama	359	547								
	7	5517359	1996-05-14	Gelbart	359	623								
	8	5519251	1996-05-21	Sato et al.	257	666								
	9	5519450	1996-05-21	Urbanus et al.	348	600								
	10	5521748	1996-05-28	Sarraf	359	321								
	11	5523619	1996-06-04	McAllister et al.	257	686								
	12	5523628	1996-06-04	Williams et al.	257	777								
	13	5523803	1996-06-04	Urbanus et al.	348	771								
	14	5523878	1996-06-04	Wallace et al.	359	290								
	15	5523881	1996-06-04	Florence et al.	359	561								
	16	5523920	1996-06-04	Machuga et al.	361	767								

	17	5524155	1996-06-04	Weaver		385	24
	18	5534107	1996-07-09	Gray et al.		156	643.1
	19	5534883	1996-07-09	Koh		345	3
	20	5539422	1996-07-23	Heacock et al.		345	8
	21	5544306	1996-08-06	Deering et al.		395	164
	22	5554304	1996-09-10	Suzuki		216	2
	23	5576878	1996-11-19	Henck		359	224
	24	5602671	1997-02-11	Hornbeck		359	224
	25	5606181	1997-02-25	Sakuma et al.		257	88
	26	5606447	1997-02-25	Asada et al.		359	199
	27	5610438	1997-03-11	Wallace et al.		257	682
	28	5623361	1997-04-22	Engle		359	291
	29	5629566	1997-05-13	Doi et al.		257	789
	30	5629801	1997-05-13	Staker et al.		359	572
	31	5640216	1997-06-17	Hasegawa et al.		349	58
	32	5658698	1997-08-19	Yagi et al.		430	11
	33	5661592	1997-08-26	Bornstein et al.		359	291
	34	5661593	1997-08-26	Engle		359	292
	35	5663817	1997-09-02	Frapin et al.		349	5
	36	5668611	1997-09-16	Ernstoff et al.		348	771
	37	5673139	1997-09-30	Johnson		359	291
	38	5677783	1997-10-14	Bloom et al.		359	224
	39	5689361	1997-11-18	Damen et al.		359	284
	40	5691836	1997-11-25	Clark		359	247
	41	5694740	1997-12-09	Martin et al.		53	431
	42	5696560	1997-12-09	Songer		348	436
	43	5699740	1997-12-23	Gelbart		101	477
	44	5704700	1998-01-06	Kappel et al.		353	31
	45	5707160	1998-01-13	Bowen		400	472
	46	5712649	1998-01-27	Tosaki		345	8
	47	5713652	1998-02-03	Zavracky et al.		353	122
	48	5726480	1998-03-10	Pister		257	415
	49	5731802	1998-03-24	Aras et al.		345	148
	50	5734224	1998-03-31	Tagawa et al.		313	493

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current

electronic filing contains part 12 out of a total of 16 electronic filings.

**Signature**

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43316																									
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 15:02:44 EDT																									
From:	us																									
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS	
Application Number:	10/047550	*10/047550*
Date:	2002-01-15	
First Named Applicant:	Gregory D. Miller	
Confirmation Number:	5291	
Attorney Docket Number:		

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted	Files
us-ids	SLM06100M-usidst.xml
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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS													
Application Number:	10/047550 *10/047550*													
Confirmation Number:	5291													
First Named Applicant:	Gregory Miller													
Attorney Docket Number:														
Search string:	( 5742373 or 5744752 or 5745271 or 5757354 or 5757536 or 5764280 or 5768009 or 5773473 or 5793519 or 5798743 or 5798805 or 5801074 or 5802222 or 5808323 or 5808797 or 5815126 or 5825443 or 5835255 or 5835256 or 5837562 or 5841579 or 5844711 or 5847859 or 5862164 or 5868854 or 5886675 or 5892505 or 5895233 or 5898515 or 5903243 or 5903395 or 5910856 or 5912094 or 5912608 or 5914801 or 5915168 or 5919548 or 5920411 or 5920418 or 5923475 or 5926309 or 5926318 or 5942791 or 5949390 or 5949570 or 5953161 or 5955771 or 5978127 or 5982553 or 5986634 ).pn.													
<b>US Patent Documents</b>														
Note: Applicant is not required to submit a paper copy of cited US Patent Documents														
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	3	5745271	1998-04-28	Ford et al.	359	130								
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	5	5757536	1998-05-26	Ricco et al.	359	224								
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	10	5798743	1998-08-25	Bloom	345	90								
	11	5798805	1998-08-25	Ooi et al.	349	10								
	12	5801074	1998-09-01	Kim et al.	438	125								
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	14	5808323	1998-09-15	Spaeth et al.	257	88								
	15	5808797	1998-09-15	Bloom et al.	359	572								
	16	5815126	1998-09-29	Fan et al.	345	8								

	17	5825443	1998-10-20	Kawasaki et al.		349	95
	18	5835255	1998-11-10	Miles		359	291
	19	5835256	1998-11-10	Huibers		359	291
	20	5837562	1998-11-14	Cho		438	51
	21	5841579	1998-11-24	Bloom et al.		359	572
	22	5844711	1998-12-01	Long, Jr.		359	291
	23	5847859	1998-12-08	Murata		359	201
	24	5862164	1999-01-19	Hill		372	27
	25	5868854	1999-02-09	Kojima et al.		134	1.3
	26	5886675	1999-03-23	Aye et al.		345	7
	27	5892505	1999-04-06	Tropper		345	208
	28	5895233	1999-04-20	Higashi et al.		438	107
	29	5898515	1999-04-27	Furlani et al.		359	290
	30	5903243	1999-05-11	Jones		345	7
	31	5903395	1999-05-11	Rallison et al.		359	630
	32	5910856	1999-06-08	Ghosh et al.		359	291
	33	5912094	1999-06-15	Aksyuk et al.		430	5
	34	5912608	1999-06-15	Asada		335	222
	35	5914801	1999-06-22	Dhuler et al.		359	230
	36	5915168	1999-06-22	Salatino et al.		438	110
	37	5919548	1999-07-06	Barron et al.		428	138
	38	5920411	1999-07-06	Duck et al.		359	127
	39	5920418	1999-07-06	Shiono et al.		359	246
	40	5923475	1999-07-13	Kurtz et al.		359	619
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	42	5926318	1999-07-20	Hebert		359	618
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	44	5949390	1999-09-07	Nomura et al.		345	32
	45	5949570	1999-09-07	Shiono et al.		359	291
	46	5953161	1999-09-14	Troxell et al.		359	618
	47	5955771	1999-09-21	Kurtz et al.		257	419
	48	5978127	1999-11-02	Berg		359	279
	49	5982553	1999-11-09	Bloom et al.		359	627
	50	5986634	1999-11-16	Alioshin		345	126

## Remarks

Note: Remarks are not for responding to an office action.

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**Signature**

Examiner Name	Date

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Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43317																									
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 15:04:08 EDT																									
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File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th></tr></thead><tbody><tr><td>us-ids</td><td>SLM06100N-usidst.xml</td><td>14392</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td></tr><tr><td>package-data</td><td>SLM06100N-pkda.xml</td><td>1835</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td></tr><tr><td></td><td>Total files size</td><td>82304</td></tr></tbody></table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100N-usidst.xml	14392	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100N-pkda.xml	1835	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263		Total files size	82304
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## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted us-ids	Files SLM06100N-usidst.xml us-ids.dtd us-ids.xsl
Comments	

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Stylesheet Version v18.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS						
Application Number:		10/047550				*10/047550*	
Confirmation Number:		5291					
First Named Applicant:		Gregory Miller					
Attorney Docket Number:							
Search string:		( 5986796 or 5995303 or 5999319 or 6004912 or 6016222 or 6025859 or 6038057 or 6040748 or 6046840 or 6055090 or 6057520 or 6061166 or 6061489 or 6062461 or 6064404 or 6069392 or 6071652 or 6075632 or 6084626 or 6088102 or 6090717 or 6091521 or 6096576 or 6097352 or 6101036 or 6115168 or 6122299 or 6123985 or 6124145 or 6130770 or 6144481 or 6147789 or 6154259 or 6163026 or 6163402 or 6169624 or 6172796 or 6172797 or 6177980 or 6181458 or 6188519 or 6195196 or 6197610 or 6210988 or 6215579 or 6219015 or 6222954 or 6229650 or 6229683 or 6241143 ).pn.					
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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	45	6215579	2001-04-10	Bloom et al.	B1	359	298
	46	6219015	2001-04-17	Bloom et al.	B1	345	87
	47	6222954	2001-04-24	Riza	B1	385	18
	48	6229650	2001-05-08	Reznichenko et al.	B1	359	566
	49	6229683	2001-05-08	Goodwin-Johansson	B1	361	233
	50	6241143	2001-06-05	Kuroda	B1	228	110.1

## Remarks

Note: Remarks are not for responding to an office action.

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electronic filing contains part 14 out of a total of 16 electronic filings.

**Signature**

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	10/047550	*10/047550*																								
EFS ID:	43318																									
Server Response:	<table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>5291</td></tr><tr><td>ISYS5</td><td>Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.</td></tr></tbody></table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5291	ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. They will be checked by PTO personnel later.																
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First Named Applicant:	Gregory Miller																									
Attorney Docket Number:																										
Timestamp:	2003-07-10 15:05:32 EDT																									
From:	us																									
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th></tr></thead><tbody><tr><td>us-ids</td><td>SLM06100O-usidst.xml</td><td>9451</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td></tr><tr><td>package-data</td><td>SLM06100O-pkda.xml</td><td>1805</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td></tr><tr><td></td><td>Total files size</td><td>77333</td></tr></tbody></table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100O-usidst.xml	9451	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100O-pkda.xml	1805	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263		Total files size	77333
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS
Application Number:	10/047550 *10/047550*
Date:	2002-01-15
First Named Applicant:	Gregory D. Miller
Confirmation Number:	5291
Attorney Docket Number:	

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	<b>METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS</b>						
Application Number:		10/047550				*10/047550*	
Confirmation Number:		5291					
First Named Applicant:		Gregory Miller					
Attorney Docket Number:							
Search string:		( 6251842 or 6252697 or 6254792 or 6261494 or 6268952 or 6271145 or 6271808 or 6274469 or 6290859 or 6290864 or 6300148 or 6303986 or 6310018 or 6323984 or 6342960 or 6356577 or 6359333 or 6384959 or 6387723 or 6392309 or 6396789 or 6421179 or 6445502 or 6452260 or 6480634 or 6497490 or 6525863 or 6563974 ).pn.					
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6251842	2001-06-26	Gudeman	B1	508	577
	2	6252697	2001-06-26	Hawkins et al.	B1	359	290
	3	6254792	2001-07-03	Van Buskirk et al.	B1	216	13
	4	6261494	2001-07-17	Zavracky et al.	B1	264	104
	5	6268952	2001-07-31	Godil et al.	B1	359	291
	6	6271145	2001-08-07	Toda	B1	438	706
	7	6271808	2001-08-07	Corbin	B1	345	7
	8	6274469	2001-08-14	Yu	B1	438	592
	9	6290859	2001-09-18	Fleming et al.	B1	216	2
	10	6290864	2001-09-18	Patel et al.	B1	216	79
	11	6300148	2001-10-09	Birdsley et al.	B1	438	15
	12	6303986	2001-10-16	Shook	B1	257	680
	13	6310018	2001-10-30	Behr et al.	B1	510	175
	14	6323984	2001-11-27	Trisnadi	B1	359	245
	15	6342960	2002-01-29	McCullough	B1	359	124
	16	6356577	2002-03-12	Miller	B1	372	107
	17	6359333	2002-03-19	Wood et al.	B1	257	704
	18	6384959	2002-05-07	Furlani et al.	B1	359	291
	19	6387723	2002-05-14	Payne et al.	B1	438	48

	20	6392309	2002-05-21	Wataya et al.	B1	257	796
	21	6396789	2002-05-28	Guerra et al.	B1	369	112
	22	6421179	2002-07-16	Gutin et al.	B1	359	572
	23	6445502	2002-06-03	Islam et al.	B1	359	571
	24	6452260	2003-09-17	Corbin et al.	B1	257	686
	25	6480634	2002-11-12	Corrigan	B1	385	4
	26	6497490	2002-12-24	Miller et al.	B1	359	614
	27	6525863	2003-02-25	Riza	B1	359	290
	28	6563974	2003-05-13	A. Riza	B2	385	18

## Remarks

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## Signature

Examiner Name	Date

Documents being submitted

us-ids

Files

SLM06100O-usidst.xml

us-ids.dtd

us-ids.xsl

Comments

**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS																									
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Application Number:	10/047550	*10/047550*																								
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First Named Applicant:	Gregory Miller																									
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File Listing:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 30%;">Size (Bytes)</th> </tr> </thead> <tbody> <tr> <td>us-ids</td> <td>SLM06100P-usidst.xml</td> <td>4519</td> </tr> <tr> <td>us-ids</td> <td>us-ids.dtd</td> <td>7763</td> </tr> <tr> <td>us-ids</td> <td>us-ids.xsl</td> <td>12026</td> </tr> <tr> <td>package-data</td> <td>SLM06100P-pkda.xml</td> <td>1835</td> </tr> <tr> <td>package-data</td> <td>package-data.dtd</td> <td>27025</td> </tr> <tr> <td>package-data</td> <td>us-package-data.xsl</td> <td>19263</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total files size</td> <td>72431</td> </tr> </tbody> </table>		Doc. Name	File Name	Size (Bytes)	us-ids	SLM06100P-usidst.xml	4519	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	SLM06100P-pkda.xml	1835	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263	Total files size		72431
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Digital Certificate Holder Name:	cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US																									

## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS	
Application Number:	10/047550	*10/047550*
Date:	2002-01-15	
First Named Applicant:	Gregory D. Miller	
Confirmation Number:	5291	
Attorney Docket Number:		

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Submitted by:	Elec. Sign.	Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney

Documents being submitted

us-ids

Files

SLM06100P-usidst.xml

us-ids.dtd

us-ids.xsl

Comments

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	<b>METHOD FOR DOMAIN PATTERNING IN LOW COERCIVE FIELD FERROELECTRICS</b>	
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Application Number: 10/047550 \*10/047550\*  
 Confirmation Number: 5291  
 First Named Applicant: Gregory Miller  
 Attorney Docket Number:  
 Search string: ( 5963788 or 6356689 or 5319668 or 20020015230 or 20020021485 or  
 20020079432 or 20020105725 or 20020112746 or 20020131230 or  
 20010019454 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5963788	1999-10-05	Barron et al.		438	48
	2	6356689	2002-03-12	Greywall	B1	385	52
	3	5319668	1994-06-07	Luecke		372	107

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020015230	2002-02-07	Pilosof et al.	A1	359	558
	2	20020021485	2002-02-21	Pilosof	A1	359	295
	3	20020079432	2002-06-27	Lee et al.	A1	250	216
	4	20020105725	2002-08-08	Sweatt et al.	A1	359	566
	5	20020112746	2002-08-22	DeYoung et al.	A1	134	36
	6	20020131230	2002-09-19	Potter	A1	361	277
	7	20010019454	2001-09-06	Tadic-Galeb et al.	A1	359	649

## Remarks

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Examiner Name	Date